```
such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
          $$$$$$$$$$$$$$$$$$
```

Sequence 28 AA;

AAB64273 Length: 28 February 4, 2005 13:32 Type: P Check: 381 Found using 'seq5' (mohamed337.key)

HGEGTFTSDXSKQLEEEAVRLFIEFLKN 1

aab64274 ; Exendin agonist, SEQ ID NO:94.
(from "seq5ags.pep")
TOIG of: aab64274 check: 657 from: 1 1 match found in sequence:

AAB64274 standard; peptide; 28 AA.

28 ;;

> 27-MAR-2001 (first entry) AAB64274;

Exendin agonist, SEQ ID NO:94.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 87; Page 73; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin insulence as on pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM

results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, promagneasemia, polycythaemia, hypocalcaemia, promagneasemia, polycythaemia, hypocalcaemia, promagneasemia, polycythaemia, hypocalcaemia, polycythaemia, polyceptilitubinaemia, and subsequent childhood and adolescent obserty. Exendin-a) and the Mexican beaded alizard (exendin-a) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for ont cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional content and prolonged effect on blood glucose, and, unlike conventional menty should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 888888888888888888888888888888888

Sequence 28 AA;

February 4, 2005 13:32 Type: P Check: 657 Found using 'seq5' (mohamed337.key) AAB64274 Length: 28

HGEGTFTSDLSKQLEEEAVRLXIEFLKN 1

1 match found in sequence:
 abb64275 ; Bxendin agonist, SEQ ID NO:95.
 (from "seqsags.pep")
 TOIG of: aab64275 check: 1045 from: 1

AAB64275 standard; peptide; 28 AA

28 ;;

AAB64275;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:95.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 88; Page 73; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64388) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy is an expension of the complications in both the mother and the foctus. Women

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homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
```

Sequence 28 AA;

AAB64271 Length: 28 February 4, 2005 13:32 Type: P Check: 701 Found using 'seq5' (mohamed337.key)

HGEGTFSTDLSKOMEEEAVRLFIEWLKN

to: 28 L match found in sequence:
 aab64272 ; Exendin agonist, SEQ ID NO:92.
 (from "seq5ags.pep")
 TOIG of: aab64272 check: 649 from: 1

AAB64272 standard; peptide; 28 AA 27-MAR-2001 (first entry) AAB64272;

Exendin agonist, SEQ ID NO:92.

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 85; Page 72; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes meallitus (GDW) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctual abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded 11zard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for form, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional linsulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA; 888888888888888

AAB64272 Length: 28 February 4, 2005 13:32 Type: P Check: 649 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSELSKQMAEEAVRLFIEWLKN

check: 381 from: 1 to: 28 1 match found in sequence:
 aab64273 ; Exendin agonist, SEQ ID NO:93.
 (from "seq5ags.pep")
 TOIG Of: aab64273 check: 381 from: 1 ''

AAB64273;

AAB64273 standard; peptide; 28 AA

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:93

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 86; Page 72; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (5DM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistence and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancy, both associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites

not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce apperite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 និន្តនិនិនិនិនិ

Sequence 28 AA;

AAB64269 Length: 28 February 4, 2005 13:32 Type: P Check: 369 Found using 'seq5' (mohamed337.key)

HGEGTXTSDLSKOLEEEAVRLFIEFLKN

28 <u>ن</u> aab64270 ; Exendin agonist, SEQ ID NO:90. from: 1 check: 693 match found in sequence: (from "seq5ags.pep") TOIG of: aab64270 c

AAB64270 standard; peptide; 28 AA

AAB64270;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:90.

insulin resistance; Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 83; Page 71; 133pp; English.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (CDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the invention relates to the use of an exendin (AAB64181-B64182) or an

thus do compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

88888888888888

Type: P Check: 693 AAB64270 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

HGEGTFSSDLSKOMEEEAVRLFIEWLKN

ab64271; Exendin agonist, SEQ ID NO:91. (from "seq598:pp") TOIG of: ab564271 check: 701 from: 1

Z AAB64271 standard; peptide; 28

to: 28

AAB64271;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:91.

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 84; Page 71; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64182-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both with GDM have increased associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonetal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obsetty. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

agonist of the invention which is based upon the sequence of exendin-4

Sequence 35 AA; SXS

Type: P Check: 7463 AAB64267 Length: 35 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

|-----| RGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA

to: 30 aab64268; Exendin agonist, SEQ ID NO:88. (from "seq5ags.pep") TOIG of: aab64268 check: 4886 from: 1 I match found in sequence:

AAB64268 standard; peptide; 30 AA

27-MAR-2001 (first entry) AAB64268;

Exendin agonist, SEQ ID NO:88.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 81; Page 70; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to insulin resistance and a diminished ability to insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnescent obesity.

Exendin are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus a potent and prolonged effect on blood glucose, and, unlike conventional

insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 222238

Sequence 30 AA;

30 February 4, 2005 13:32 Type: P Check: 4886 (mohamed337.key) AAB64268 Length: 30 Found using 'seq5'

HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG

to: 28 aab64269 ; Exendin agonist, SEQ ID NO:89. 1 match found in sequence: (from "seq5ags.pep") TOIG of: aab64269 c

from: 1 check: 369

AAB64269 standard; peptide; 28 AA

AAB64269;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:89.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 82; Page 70; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64182-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary trace of GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporbilitus such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, byperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly Gip-1, and have similar insulnotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists Anni Anni Anni Contraindicated for

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AAB64265 Length: 37 February 4, 2005 13:32 Type: P Check: 4125 Found using 'seq5' (mohamed337.key)
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HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXX

to: 36 . match found in sequence:
aab64266; Exendin agonist, SEQ ID NO:86.
(from "seq5ags.pep")
(TOIG of: aab64266 check: 869 from: 1

AAB64266 standard; peptide; 36 AA

AAB64266;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:86.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 79; Page 69; 133pp; English.

Exemination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin receiptance and a diminished ability to increase insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The paseent sequence represents a exendin-9 emptying and reduce appetite. The paseent sequence of exendin-9 exendin-9 emptying and reduce appetite. The paseent sequence of exendin-9

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Sequence 36 AA;
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Type: P Check: 869 AAB64266 Length: 36 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEBAVRLF1EWLKNGGXSSGAX

1 match found in sequence: aab64267 ; Exendin agonist, SEQ ID NO:87

(from "seq5ags.pep")
TOIG of: aab64267 check: 7463 from: 1

to: 35

AAB64267 standard; peptide; 35 AA.

AAB64267;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:87.

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 80; Page 69; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a parlent. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-clampsia, and unimary tract infections. GDM caults in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyposlycaemia, polycythaemia, chypentilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-4) and subsequent of the clib monster the control of the con homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGASSGAPP

to: 37 check: 1733 from: 1 aab64264 ; Exendin agonist, SEQ ID NO:84 1 match found in sequence: (from "seq5ags.pep") TOIG of: aab64264 c

AAB64264 standard; peptide; 37 AA

AAB64264;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:84.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 77; Page 68; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistence and a diminished ability to insulin resistence and insulin resentance. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the fectus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of fectal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Bereadins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 37 AA;

AAB64264 Length: 37 February 4, 2005 13:32 Type: P Check: 1733 Found using 'seq5' (mohamed337.key)

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HGEGTFTSDLSKOMEREAVRLFIEWLKNGGASSGAAA
```

check: 4125 from: 1 to: 37 1 match found in sequence:
aab64265; Exendin agonist, SEQ ID NO:85.
[from "seq5ags.ppp"]
TOIG Of: aab64265 check: 4125 from: 1

AAB64265 standard; peptide; 37 AA

AAB64265;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:85.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 78; Page 68; 133pp; English.

cxendin agonist (AAB64185-B64368) for treating gestational diabetes
exendin agonist (AAB64185-B64368) for treating gestational diabetes
mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancis are
associated with complications in both the mother and the foetus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
such as hypoglycaemia, hypocalcaemia, phyomagnesemia, polycythaemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obesity.
Exendins are peptides from the salivary secretions of the dila monster
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agonists do not cross the placenta and thus do
not cause severe prolonged hypoglycaemia in the newborn. They have a
potent and prolonged effect on blood glucose, and, unlike conventional
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agonists do not cross the placenta and thus do
not cause severe prolonged hypoglycaemia in the newborn. They have a
potent and prolonged effect on blood glucose, and, unlike conventional
mention which is based upon the sequence represents a exendin-

Sequence 37 AA

```
to: 38
                   aab64262 ; Exendin agonist, SEQ ID NO:82.
(from "seq5ags.pep")
TOIG of: aab64262 check: 7221 from: 1
                                                           from: 1
                                                           check: 7221
1 match found in sequence:
```

AAB64262 standard; peptide; 38 AA

AAB64262;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:82.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

23-MAY-2000; 2000WO-US014231

07-DEC-2000.

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS;

WPI; 2001-137634/14.

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 75; Page 67; 133pp; English.

Exerciting the invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes medilitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin receistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both contrast in a normal pregnancy, both consolination in crease. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive consolinates such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypochagnessemia, polycythaemia, hypochypacania, hypomagnessemia, polycythaemia, homology with several members of the glucase contraindicated for particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-

Sequence 38 AA;

AAB64262 Length: 38 February 4, 2005 13:32 Type: P Check: 7221 (mohamed337.key) Found using 'seq5'

```
HGEGTFTSDLSKQMEBEAVRLF1EWLKNGGPSSGAXXX
```

```
Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;
                   to: 37
                                                                                        pregnancy_complication; neonatal abno:
insulinotropic; anorectic; exendin-4.
                  check: 2828 from: 1
match found in sequence:
aab64263 ; Exendin agonist, SEQ ID NO:83.
                               AAB64263 standard; peptide; 37 AA
                                                                     Exendin agonist, SEQ ID NO:83
                                                        27-MAR-2001 (first entry)
                                                                                                          Heloderma suspectum
Synthetic.
             (from "seq5ags.pep")
TOIG of: aab64263 c
                                                                                                                              WO200073331-A2.
                                            AAB64263;
```

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 76, Page 67; 133pp; English.

increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foetus. Women with GDW have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDW results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporaliruhinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendins and exendin agoniers do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional members of membrance represents a exendin emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 37 AA;

AAB64263 Length: 37 Pebruary 4, 2005 13:32 Type: P Check: 2828 Found using 'seq5' (mohamed337.key)

```
Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
AAB64260 standard; peptide; 29 AA.
                               Exendin agonist, SEQ ID NO:80.
                                                                                                           99US-00323867.
                                                                                                 23-MAY-2000; 2000WO-US014231.
                    (first entry)
                                                              Heloderma suspectum
Synthetic.
                                                                             WO200073331-A2.
                                                                                                            01-JUN-1999;
                     27-MAR-2001
                                                                                        07-DEC-2000
           AAB64260;
```

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 73; Page 66; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes concinuation of increased insulin resistance and a diminished ability to combination of increased insulin secretion increase. Gny preparancy, both increase insulin secretion increase. Gny preparancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive consults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites consults in an elevated rate of foetal abnormalities such as neural tube consults in an elevated rate of foetal abnormalities such as neural tube contents, hypomagnessemia, polycythaemia, end subsequent childhood and adolescent obesity. Or byperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit conjugy with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, exendins and exendin agonists do not cross the placente and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a content and prolonged effect on blood glucose, and, unlike conventional content and prolonged effect on blood glucose, and, unlike conventional content and reduce appetite. The present sequence represents a exendin environment of the invention which is based upon the sequence of exendin-4.

Sequence 29 AA;

AAB64260 Length: 29 February 4, 2005 13:32 Type: P Check: 2320 Found using 'seq5' (mohamed337.key)

aab64261 ; Exendin agonist, SEQ ID NO:81. 1 match found in sequence:

to: 38 from: 1 check: 7221 (from "seq5ags.pep") TOIG of: aab64261 c

AAB64261 standard; peptide; 38 AA.

AAB64261;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:81.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 74; Page 66; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB6418-B64368) for treating gestational diabetes candin agonist (AAB6418-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancies are insulin remistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive consults in an elevated rate of foctal abnormalities such as neural tube results in an elevated rate of foctal abnormalities such as neural tube celefacts, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, hypomagnesaemia, polycythaemia, cexendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds and exendin adonisted by the newborn. They have a contraindicated for compound and exendin adoniste of exendin as a exendin emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

AAB64261 Length: 38 February 4, 2005 13:32 Type: P Check: 7221 Found using 'seq5' (mchamed337.key)

|-----| HGEGTPTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX

seq5_ags.res

```
Exendin agonist (AAB64185-B64368) for treating gestational diabetes

exendin agonist (AAB64185-B64368) for treating gestational diabetes

comblitues (GDM) in a patient. GDM arises during pregnancy, and is due to a

combination of increased insulin receistance and a diminished ability to

increase insulin secretion. In contrast, in a normal pregnancy, both

combination of increased insulin secretion increase. GDM pregnancies are

associated with complications in both the mother and the foetus. Women

with GDM have increased rates of Caesarian delivery, hypertensive

disorders such as pre-eclampsia, and urinary tract infections. GDM

results in an elevated rate of foetal abnormalities such as neural tube

defects, and is associated with an increased risk of neonatal morbidites

such as hypoglycaemia, hypocadasesemia, polycythaemia,

hyperblirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster

compounds used to treat type 2 diabetes, which are contraindicated for

CMP, exendins and exendin agonists do not cross the placent and thus do

not cause severe prolonged hypoglycaemia in the newborn. They have a

coptent and prolonged effect on blood glucose, and, unlike conventional

insulin therapy, should not cause weight gain, as they inhibit gastric

emptying and reduce appetite. The passed upon the sequence of exendin-4

agonist of the invention which is based upon the sequence
                                                                                                                                                        Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 71; Page 65; 133pp; English.
                                                                                     Exendin agonist, SEQ ID NO:78.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99US-00323867
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-MAY-2000; 2000WO-US014231
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                 Heloderma suspectum.
                                                                                                                                                                      Exendin agonist;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-JUN-1999;
    27-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hiles R,
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AAB64258 Length: 30 February 4, 2005 13:32 Type: P Check: 4450 Found using 'seq5' (mchamed337.key)

HGEGTFTSDLSKQLEBEAVRLFIEFLKNGG

check: 2759 from: 1 1 match found in sequence:
abb64259; Bxendin agonist, SEQ ID NO:79.
(from from abb6425ppp)
TOIG of: aab64259 check: 2759 from: 1

to: 29

AAB64259 standard; peptide; 29 AA.

27-MAR-2001 (first entry) AAB64259;

Exendin agonist, SEQ ID NO:79

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000, 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 72; Page 65; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, such as hypomagnessemia, polycythaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contrained for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 29 AA;

AAB64259 Length: 29 February 4, 2005 13:32 Type: P Check: 2759 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEERAVRLFIEWLKNG

to: 29 aab64260; Exendin agonist, SEQ ID NO:80. (from "seq5ags.pep") TOIG of: aab64260 check: 2320 from: 1 1 match found in sequence:

```
Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                                                   23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-137634/14.
                                                                                                                               Heloderma suspectum
                                                                                                                                                                                                                  WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                            01-JUN-1999;
                                                                                                                                                                                                                                                                            07-DEC-2000
                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hiles R,
```

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to combination of increased insulin secretion increase. GND pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM centils in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal worbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, or hyperbilitubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraind therapy, should not cause weight gain, as they inhibit gastric misulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin cannot to the invention which is based upon the sequence of exendin-4). Example 69; Page 64; 133pp; English

AAB64256 Length: 31 February 4, 2005 13:32 Type: P Check: 7369 Found using 'seq5' (mohamed337.key) Sequence 31 AA;

|-----| |HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP

to: 31 match found in sequence: aab64257 ; Exendin agonist, SEQ ID NO:77. check: 6930 from: 1 (from "seq5ags.pep") TOIG of: aab64257 c

27-MAR-2001 (first entry) AAB64257; axyxt

AAB64257 standard; peptide; 31 AA

Exendin agonist, SEQ ID NO:77.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

99US-00323867.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 70; Page 64; 133pp; English.

The invention relates to the use of an exeminal (whostole property) and is due to exemnal against (AAB64185-B64368) for treating preparaty, and is due to exemnal against (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are sesociated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive consists in an elevated rate of foetal abnormalities such as neural tube results in an elevated rate of foetal abnormalities such as neural tube cord is associated with an increased risk of meonatal morbidites cuch as hypoglycaemia, hypomagnesaemia, polycythaemia, such as hypoglycaemia, hypomagnesaemia, polycythaemia, byperbilitubinaemia, and subsequent childhood and adolescent obesity.

CC Exendins are peptides from the salivary secretions of the gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit the complexy with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with severe prolonged hypoglycaemia in the newborn. They have a contraindicated for companying and reduce appetite. The present sequence represents a exendin is based to trave weight gain, as they inhibit gastric insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-4. invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 31 AA;

AAB64257 Length: 31 February 4, 2005 13:32 Type: P Check: 6930 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGP

to: 30 from: 1 1 match found in sequence: aab64258 ; Exendin agonist, SEQ ID NO:78. check: 4450 (from "seq5ags.pep") TOIG of: aab64258 o

AAB64258 standard; peptide; 30 AA.

AAB64258;

pregnancy complication; neonatal abnormality; blood glucose modulator;

insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB6485-B64368) for treating gestational diabetes malitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increase insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancias are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampata, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessenia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for one cause severe prolonged bygolycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional computing and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 agonist of the present sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                           Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB64254 Length: 32 February 4, 2005 13:32 Type: P Check: 25 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       check: 9586 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 67; Page 63; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aab64255 ; Exendin agonist, SEQ ID NO:75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKOMEERAVRLFIEWLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64255 standard; peptide; 32 AA.
                                                                                                                                                                               23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                               99US-00323867
                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                     Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-137634/14.
                     Heloderma suspectum.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq5ags.pep"
TOIG of: aab64255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 32 AA;
                                                                                        WO200073331-A2.
                                                                                                                                                                                                                               01-JUN-1999;
                                                                                                                                   07-DEC-2000
                                                                                                                                                                                                                                                                                                                     Hiles R,
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Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

Example 68; Page 64; 133pp; English.

especially in a human.

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cendin agonist (AAB64185-B64368) for treating gestational diabetes
exendin agonist (AAB64185-B64368) for treating gestational diabetes
combination of increased insulin resistance and a diminiabled ability to
combination of increased insulin secretion increase. GMD pregnancy, both
insulin resistance and insulin secretion increase. GMD pregnancies are
associated with complications in both the mother and the foetus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
compounds in hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obesity.
Exendins are peptides from the salivary secretions of the Gila monster
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agonists do not cross the placenta and thus do
contrained the effect on blood glucose, and, unlike conventional
insulin therapy, should not cause weight gain, as they inhibit gastric
compounds used caffect on blood glucose, and, unlike conventional
insulin therapy, should not cause weight gain, as they inhibit gastric
compounds of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB64255 Length: 32 February 4, 2005 13:32 Type: P Check: 9586 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq5ags.pep")
TOIG of: aab64256 check: 7369 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aab64256 ; Exendin agonist, SEQ ID NO:76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB64256 standard; peptide; 31 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist, SEQ ID NO:76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 32 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64256;
田林はななない
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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance;

Exendin agonist, SEQ ID NO:75.

27-MAR-2001 (first entry)

5×2×5×8×5

AAB64255;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes constraints (GDW) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancis are insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive clisorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, polycythaemia, hyporalcaemia, polycythaemia, hyporalcaemia, polycythaemia, hyporalcaemia, polycythaemia, hypomagnesemia, polycythaemia, polycythaemia, and subsequent hildhood and adolescent obsity, particularly GLP-1, and have similar insulintropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used effect on blood glucose, and, unlike conventional interapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin
                                                                                                                                                                                                                                                                                                                                                                          Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 65; Page 62; 133pp; English
                                                                                                      23-MAY-2000; 2000WO-US014231.
                                                                                                                                                             99US-00323867.
                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                      Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                         especially in a human.
                                                                                                                                                                                                                                                                                                                          WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 33 AA;
WO200073331-A2
                                                                                                                                                          01-JUN-1999;
                                                      07-DEC-2000.
                                                                                                                                                                                                                                                                         Hiles R,
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Use of exendins or exendin agonists for lowering or reducing blood glucos, levels and treating gestational diabetes mellitus in a subject,

23-MAY-2000; 2000WO-US014231.

WO200073331-A2.

Synthetic.

07-DEC-2000.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS; WPI; 2001-137634/14. Example 66; Page 63; 133pp; English

especially in a human.

AAB64252 Length: 33 February 4, 2005 13:32 Type: P Check: 2764 Found using 'seq5' (mohamed337.key) HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSS

check: 2325 from: 1 to: 33 AAB64253 standard; peptide; 33 AA

Exendin agonist, SEQ ID NO:73. 27-MAR-2001 (first entry) AAB64253; SXXXXXXXXXXXXXXXX

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminible ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM celects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, such as hypoglycaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, and subsequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cross the placenta and thus do not cross the placent and the and placent and the means and places. And in the newborn in the placenta and thus and contraind of feet on places. and in like conventional
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB64253 Length: 33 February 4, 2005 13:32 Type: P Check: 2325 Found using 'seq5' (mohamed337.key)
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aab64254 ; Exendin agonist, SEQ ID NO:74.
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
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TOIG of: aab64254 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 33 AA;
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Fri Feb

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the invention features to the use of an exemuni (Aubsals) of an exemula agonist (Adb64185-B64366) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased lisk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniats do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraindire conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-gaonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 63; Page 61; 133pp; English.
23-MAY-2000; 2000WO-US014231.
                                                                                                                 99US-00323867.
                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                               Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 34 AA;
                                                                                                                 01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                   Hiles R,
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AAB64250 Length: 34 February 4, 2005 13:32 Type: P Check: 5178 Found using 'seq5' (mohamed337.key) HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSG

to: 34 check: 4739 from: 1 aab64251; Exendin agonist, SEQ ID NO:71. match found in sequence: (from "seq5ags.pep") TOIG of: aab64251

AAB64251 standard; peptide; 34 AA Exendin agonist, SEQ ID NO:71. 27-MAR-2001 (first entry) AAB64251;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2.

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Exendin agonist (AAB64185-B64368) for treating gestational diabetes

cxendin agonist (AAB64185-B64368) for treating gestational diabetes

cxendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a

cxendination of increased insulin resistance and a diminished ability to

cxendinar resistance and insulin secretion increase. GNB pregnancies are

associated with complications in both the mother and the foctus. Women

cxell for an an elevated rate of Caesarian delivery, hypertensive

disorders such as pre-eclampsia, and urinary tract infections. GDM

results in an elevated rate of foctal abnormalities such as neural tube

cxells in an elevated rate of foctal abnormalities such as neural tube

cxells as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia,

cxells as hypoglycaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the G1a monster

(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

cxendins are peptides from the salivary secretions of the G1a monster

(cxendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

cxendins are peptides from the salivary secretions of the G1a

cxendins are peptides from the salivary secretions of the G1a

cxendins are peptides from the salivary secretions of the G1a

cxendins are peptides from the salivary secretions of the G1a

cxendins are peptides from the salivary secretions of the G1a

cxendins are peptides from the salivary secretions of the G1a

cxendins are peptides from the salivary secretions of the G1a

cxendins are peptides from the salivary secretions of the G1a

cxendins are peptides from the severe prolonged bypoglycaemia in the newborn. They have a

cxendins and exendin appoints do not cross the placent and prolonged effect on blood glucose, and, unlike conventional

cxendins and reduce appetite. The present sequence represents a exendin

cxendins and reduce appetite. The present sequence represents a exendin-
                                                                                                                                                                                                                                                                                                                                                    Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 64; Page 62; 133pp; English.
                                                          23-MAY-2000; 2000WO-US014231.
                                                                                                                 99US-00323867
                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                     Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                        especially in a human.
                                                                                                                                                                                                                                                                                          WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 34 AA;
                                                                                                                 01-JUN-1999;
   07-DEC-2000.
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AAB64251 Length: 34 February 4, 2005 13:32 Type: P Check: 4739 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG

to: 33 check: 2764 from: 1 1 match found in sequence:
abb4252 ; Exendin agonist, SEQ ID NO:72.
(from "seq5ags.pep")
TOIG Of: abb4252 check: 2764 from: 1 AAB64252 standard; peptide; 33 AA 27-MAR-2001 (first entry) AAB64252;

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator, insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:72.

Heloderma suspectum Synthetic.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

especially in a human.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

seq5_ags.res

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candline (CC exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GNM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive cisorders such as pre-clampsis, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypomagnesemia, polycythaemia, chypczblirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4 emptying and reduce appetite. The passed upon the sequence of exendin-4
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                                                                                                                             Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB64248 Length: 35 February 4, 2005 13:32 Type: P Check: 7453 Found using 'seq5' (mohamed337.key)
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aab64249; Exendin agonist, SEQ ID NO:69.
(from "seq5ags,pep")
TOIG of: aab64249 check: 7014 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64249 standard; peptide; 35 AA.
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(AMYL-) AMYLIN PHARM INC
                                               Prickett KB;
                                                                                       WPI; 2001-137634/14.
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                                               Hiles R,
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes compliated (DW arises during pregnancy, and is due to a combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GW pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive caisorders such as pre-eclampsia, and unimary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypomagnessemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contrainficated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglyceemia in the newborn. They have a contrainficated for compounds used to treat type 2 diabetes, which are contrainficated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycemia in the newborn. They have a coptent and reduce appetite. The present sequence represents a exendin empaying and reduce appetite. The present sequence represents a exendin-quirtying and reduce appetite. The present sequence represents a exendin-quirtying and reduce appetite. The present sequence of exendin-quirtying and reduce appetite. The present sequence of exendin-quirtying and reduce appetite and prolong the sequence of exendin-
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HGEGTFTSDLSKQLEEEAVRLFIBFLKNGGPSSGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
aab64250; Exendin agonist, SEQ ID NO:70.
(from "seq5ags.pep")
TOIG of: aab64250 check: 5178 from: 1
                                                                                                                                                                                                                                                                                 Example 62; Page 61; 133pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB64250 standard; peptide; 34 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist, SEQ ID NO:70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-DEC-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64250;
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64188-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin receistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive alsorders such as pre-clampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube cauch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycytheemia, hypomagnesemia, polycytheemia, hypomagnesemia, polycytheemia, hypomagnesemia, polycytheemia, hypomagnesemia, moster childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which sevarial members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindiated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                              Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                Example 59; Page 59; 133pp; English
                                                                                                                               especially in a human.
WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 36 AA;
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AAB64246 Length: 36 February 4, 2005 13:32 Type: P Check: 333 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP

(from "seq5ags.pep")
TOIG of: aab64247 check: 9894 from: 1 match found in sequence: aab64247 ; Exendin agonist, SEQ ID NO:67.

to: 36

AAB64247 standard; peptide; 36 AA.

27-MAR-2001 (first entry) AAB64247;

Exendin agonist, SEQ ID NO:67.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

99US-00323867 01-JUN-1999;

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example. 60; Page 60; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tubes defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, convendin are peptides from the salivary secretions of the dia monster (exendin-4) and the Mexican beaded lizard (exendin-8) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypodlycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 36 AA;

AAB64247 Length: 36 February 4, 2005 13:32 Type: P Check: 9894 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP

(from "seq5ags.pep")
TOIG of: aab64248 check: 7453 from: 1 1 match found in sequence: aab64248 ; Exendin agonist, SEQ ID NO:68. AAB64248 standard; peptide; 35 AA. AAB64248;

27-MAR-2001 (first entry)

to: 35

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:68.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1099;

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDW) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast. Only pregnancies are insulin resistance and diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polychaemia, howelded lisard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional polycent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence of exendin-4 gaonist of the invention which is based upon the sequence of exendin-4 Example 57; Page 58; 133pp; English. especially in a human.

AAB64244 Length: 37 February 4, 2005 13:32 Type: P Check: 3293 Found using 'seq5' (mohamed337.key) Sequence 37 AA;

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP

to: 37 1 match found in sequence:
abb64245; Exendin agonist, SEQ ID NO:65.
[from "seqsag.ppp"]
TOIG Of: aab64245 check: 2854 from: 1

AAB64245 standard; peptide; 37 AA. 27-MAR-2001 (first entry) AAB64245;

Exendin agonist, SEQ ID NO:65.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes committee (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistence and a dimnished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive consorters such as pre-eclampsia, and urinary tract infections. GDM disorders such as pre-eclampsia, and urinary tract infections. GDM casuchs in an elevated rate of foetal abnormalities such as neural tube confers, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycytheemia, cerendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds use severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional potent and present sequence represents a exendin ground reduce appetite. The present sequence of exendin-4 egentin-4 and based upon the sequence of exendin-4 and not an expendin and reduce appetite the present expensents a exendin
exendins or exendin agonists for lowering or reducing blood
                                                                                                                                      Example 58; Page 59; 133pp; English.
                                                                      especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence, 37 AA;
                       벙
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AAB64245 Length: 37 February 4, 2005 13:32 Type: P Check: 2854 Found using 'seq5' (mohamed337.key)

:

1 match found in sequence:
aab64246; Exendin agonist, SEQ ID NO:66.
(from "seq5ags.pep")
TOIG Of: aab64246 check: 333 from: 1 to: 36 HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPP

AAB64246 standard; peptide; 36 AA. 27-MAR-2001 (first entry) AAB64246;

Exendin agonist, SEQ ID NO:66.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. 23-MAY-2000; 2000WO-US014231 99US-00323867 Heloderma suspectum WO200073331-A2. 1999; 07-DEC-2000. Synthetic.

Hiles R, Prickett KS;

(AMYL-) AMYLIN PHARM INC.

Example 56; Page 58; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes

mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin resistence and insulin resistence and a diminished ability to increase insulin resistence and insulin secretion increase. GDM pregnancis are associated with complications in both the mother and infections. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-celampsia, and urinary tract infections. GDM results in an elevated rate of focetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hyporaglesemia, hyporaglesemia, pyporaglesemia, hyporaglesemia, pyporaglesemia, hyporaglesemia, hyporaglesemia, hyporaglesemia, pyporaglesemia, hyporaglesemia, hyporaglesemia, pyporaglesemia, hyporaglesemia, hyporaglesemia, hyporaglesemia, pyporaglesemia, hyporaglesemia, pyporaglesemia, hyporaglesemia, pyporaglesemia, hyporaglesemia, pyporaglesemia, hyporaglesemia, pyporaglesemia, hyporaglesemia, particularly GIP-1, and the Mexican beaded lizard (exendin-3) which exhibit to particularly GIP-1, and have similar insulincropic effects, unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 8888888888888888888888888888888888

Sequence 38 AA;

AAB64242 Length: 38 February 4, 2005 13:32 Type: P Check: 6333 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP

check: 5894 from: 1 . match found in sequence:
aab64243 ; Exendin agonist, SEQ ID NO:63.
(from "seq5ags.pep")
(TOIG of: aab64243 check: 5894 from: 1

to: 38

27-MAR-2001 (first entry) AAB64243;

AAB64243 standard; peptide; 38 AA

Exendin agonist, SEQ ID NO:63.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

The invention relates to the use of an exendin (Anabaltels 1912) or an exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin resistance and insulin secretion in contrast, in a normal pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders und is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Glum monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to tract type 2 diabetes, which are contraindicated for CDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy; should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 invention relates to the use of an exendin (AAB64181-B64182) or an Sequence 38 AA; %X5555555555555555555555555555555555

AAB64243 Length: 38 February 4, 2005 13:32 Type: P Check: 5894 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPP

to: 37 aab64244 ; Exendin agonist, SEQ ID NO:64. check: 3293 from: 1 match found in sequence: (from "seq5ags.pep" TOIG of: aab64244

AAB64244;

AAB64244 standard; peptide; 37 AA.

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:64.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic, anorectic; exendin-4.

Heloderma suspectum

Synthetic

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

insulin resistance and insulin sceretion increase. GDM pregnancy, December associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites called as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the alivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional consulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4 increase insulin secretion. In contrast, in a normal pregnancy, both Sequence 28 AA;

AAB64240 Length: 28 February 4, 2005 13:32 Type: P Check: 9991 Found using 'seq5' (mohamed337.key)

|------| HGEGTFTSDLSKQLEEEAVRLFIEFLAN

aab64241; Exendin agonist, SEQ ID NO:61. (from "seq5ags.pep") (Trom seq5ags.pep") (Troif of: aab64241 check: 9897 from: 1

28 t0:

> AAB64241 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:61. 27-MAR-2001 (first entry) AAB64241;

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Heloderma suspectum WO200073331-A2 Synthetic.

07-DEC-2000.

99US-00323867. 23-MAY-2000; 2000WO-US014231. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 54; Page 57; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes

mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cincrease insulin secretion. In contrast, in a normal pregnancy, both cases insulin recasted rates of Caesarian delivery, hyperanancies are associated with complications in both the mother and the foetus. Women with of DM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for of the cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64241 Length: 28 February 4, 2005 13:32 Type: P Check: 9897 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQLEEEAVRLFIEFLKA 1

to: 38 1 match found in sequence:
 aab64242; Exendin agonist, SEQ ID NO:62.
 (from "seq5ags.pep")
 TOIG of: aab64242 check: 6333 from: 1 AAB64242 standard; peptide; 38 AA. 27-MAR-2001 (first entry) AAB64242;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:62.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 55; Page 57; 133pp; English.

disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a concent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 \$

Sequence 28 AA;

AAB64238 Length: 28 February 4, 2005 13:32 Type: P Check: 136 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEALKN

L match found in sequence:
aab64239; Exendin agonist, SEQ ID NO:59.
(from "seq5ags.pep")
TOIG of: aab64239 check: 9975 from: 1

AAB64239 standard; peptide; 28 AA.

to: 28

AAB64239;

(first entry) 27-MAR-2001 Exendin agonist, SEQ ID NO:59.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. Example 52; Page 56; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are

cassociated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube celects, and is associated with an increased risk of neonatal morbidites such as hypogalycaenia, hypocaalcaenia, poporagnesaenia, polycythaenia, hyporagnesaenia, polycythaenia, hyporaglycaenia, polycocalcaenia, hyporagnesaenia, polycythaenia, hyporagnesaenia, polycocalcaenia, polycocalcaenia, polycocalcaenia, polycocalcaenia, polycocalcaenia, polycocalcaenia, polycocalcaenia, polycocalcaenia, polycocalcaenia, polycocania in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional polycocalcaenia and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64239 Length: 28 February 4, 2005 13:32 Type: P Check: 9975 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFAKN 28

. match found in sequence:
aab64240; Exendin agonist, SEQ ID NO:60.
[from "seq5ags.pep"]
TOIG of: aab64240 check: 9991 from: 1

AAB64240 standard; peptide; 28 AA

78 <u>ن</u>

AAB64240;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:60.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 53; Page 56; 133pp; English.

ដូ ដូ The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B6436) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to Page 107

Exendins are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 hyperbilirubinaemia, and subsequent childhood and adolescent obesity. 888888888888888888

Sequence 28 AA;

AAB64236 Length: 28 February 4, 2005 13:32 Type: P Check: 30 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRAFIEFLKN

to: 28 match found in sequence: aab64237; Exendin agonist, SEQ ID NO:57. (from "seq5ags.pep") check: 165 from: 1 TOIG of: aab64237

AAB64237 standard; peptide; 28 AA 27-MAR-2001 (first entry) AAB64237;

Exendin agonist, SEQ ID NO:57.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 50; Page 55; 133pp; English.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube The invention relates to the use of an exendin (AAB64181-B64182) or an

defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, nypomagnesemia, polycythaemia, hyporalcaemia, nor hypomagnesemia, polycythaemia, chyperbilitubinaemia, and subsequent childhood and adolescent obesity.

Exendin are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional contraint therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64237 Length: 28 February 4, 2005 13:32 Type: P Check: 165 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLBEEAVRLFIAFLKN

: : match found in sequence: aab64238 ; Exendin agonist, SEQ ID NO:58 check: 136 from: 1 (from "seq5ags.pep" TOIG of: aab64238

28

AAB64238;

AAB64238 standard; peptide; 28 AA

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:58.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 51; Page 55; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive

seq5_ags.res

particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 disbetes, which are contraindicated for GDM, exendins and exendin agonistes on not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

888888888888

Sequence 28 AA;

AAB64234 Length: 28 February 4, 2005 13:32 Type: P Check: 9862 Pound using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAARLFIEFLKN 1

to: 28 from: 1 1 match found in sequence: aab64235 ; Exendin agonist, SEQ ID NO:55. check: 9921 (from "seq5ags.pep") TOIG of: aab64235 c

AAB64235 standard; peptide; 28 AA. (first entry) 27-MAR-2001 AAB64235;

Exendin agonist, SEQ ID NO:55.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. Example 48; Page 54; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increase insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin exerction increase. GDM pregnancy both with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster

homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight again, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

8888888888888

Sequence 28 AA;

AAB64235 Length: 28 February 4, 2005 13:32 Type: P Check: 9921 Found using 'seq5' (mohamed337.key)

|-----HGEGTFTSDLSKQLEBEAVALFIEFLKN

1 match found in sequence:

check: 30 from: 1 to: 28 aab64236 ; Exendin agonist, SEQ ID NO:56.
(from "seq5ags.pep")
TOIG of: aab64236 check: 30 from: 1 to

Ź

AAB64236 standard; peptide; 28

27-MAR-2001 (first entry) AAB64236;

Exendin agonist, SEQ ID NO:56.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

WO200073331-A2. Synthetic.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

especially in a human.

Example 49; Page 54; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increase insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia,

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cauch as hypoglycaemia, hypocalcaemia, hypomagnesæemia, polycythæemia, hyporalcaemia, norbidites is such as solvential services of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinctropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                 insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exending or exendin agonists for lowering or reducing blood e levels and treating gestational diabetes mellitus in a subject,
and prolonged effect on blood glucose, and, unlike conventional
                                                                                                                                              AAB64232 Length: 28 February 4, 2005 13:32 Type: P Check: 197
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                  to: 28
                                                                                                                                                                                                                                                                                                                                      aab64233 ; Exendin agonist, SEQ ID NO:53.
(from "seq5ags.pep")
TOIG of: aab64233 check: 193 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 46; Page 53; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                          AAB64233 standard; peptide; 28 AA
                                                                                                                                                                                                                                 HGEGTFTSDLSKQLEAEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist, SEQ ID NO:53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99US-00323867.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   especially in a human.
                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Heloderma suspectum
                                                                                                       Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64233;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hiles R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                glucose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Use of
888888
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the focus. Women with GDW have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDW results in an alevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypothilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family,
GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                    AAB64233 Length: 28 February 4, 2005 13:32 Type: P Check: 193 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 28
                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
aab64234; Exendin agonist, SEQ ID NO:54.
[from seq5ags.pep"]
TOIG of: aab64234 check: 9862 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 47; Page 53; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB64234 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKOLEEAAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist, SEQ ID NO:54.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99US-00323867.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-MAR-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Heloderma suspectum
                                                                                                                                                             Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB64234;
                                                                                                                                                                                                                                                                                                                                                                                     1 match
    8888888888
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AAB64230 Length: 28 February 4, 2005 13:32 Type: P Check: 107 Pound using 'seq5' (mohamed337.key)
                                                                                                                                                   HGEGTPTSDLSKQAEEEAVRLFIEFLKN
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Sequence 28 AA;

check: 201 from: 1 to: 28 1 match found in sequence:
aab64231 ; Exendin agonist, SEQ ID NO:51.
(from "seq5ags.pep")
TOIG of: aab64231 check: 201 from: 1

AAB64231 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:51. 27-MAR-2001 (first entry) AAB64231;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:52.

(first entry)

27-MAR-2001

AAB64232;

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 44; Page 52; 133pp; English.

Example 45; Page 52; 133pp; English.

especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mailitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, and subsequent childhood and adolescent observer. homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

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emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                     Type: P Check: 201
                                                                                                                                                                                                                                                                                                                                                                                                      to: 28
                                                                                                                        AAB64231 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                          l match found in sequence:
aab64322; Exendin agonist, SEQ ID NO:52.
(from "seq5ags.pep")
(TOIG of: aab64222 check: 197 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB64232 standard; peptide; 28 AA
                                                                                                                                                                                                                         HGEGTFTSDLSKQLABEAVRLFIEFLKN
                                                                         Sequence 28 AA;
  ន្តដូល
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Exendin agoniet; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, 23-MAY-2000; 2000WO-US014231. 99US-00323867. (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; WPI; 2001-137634/14. Heloderma suspectum WO200073331-A2 01-JUN-1999; 07-DEC-2000. Synthetic.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes malitudes (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cincrease insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cesulis in an elevated rate of foetal abnormalities such as neural unbedects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, celects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalirubinaemia, and subsequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, barticularly Glp-1, and have similar inalinorcopic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a

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Found using 'seq5' (mohamed337.key)
```

|------HGEGTFTSDLSAQLEEEAVRLFIEFLKN

: : match found in sequence:
aab64229; Exendin agonist, SEQ ID NO:49.
(from "seq5ags.pep")
(TOG of: aab64229 check: 53 from: 1 t

8

AAB64229 standard; peptide; 28 AA AAB64229;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:49.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 42; Page 51; 133pp; English.

The invention relates to the use of an exendin (AAB64181) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes.

C exaction agonist (AAB64185-B64368) for treating gestational diabetes.

C mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to increase insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cassarian delivery, hypertensive with GDM have increased rates of Cassarian delivery, hypertensive consolities in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, contrast populates from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a not cause severe prolonged fefect on blood glucose, and, unlike conventional computing and reduce appetite. The passent sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-3 agonist of the invention which is based upon the sequence of exendin-

: 53 Check: Type: P AAB64229 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKALEEEAVRLFIEFLKN

check: 107 from: 1 to: 28 1 match found in sequence:
abb64230; Exendin agonist, SEQ ID NO:50.
(from "segaga:pep")
TOIG of: aab64230 check: 107 from: 1

AAB64230 standard; peptide; 28 AA.

AAB64230;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:50.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 43; Page 51; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agoniet (AAB64185-B64368) for treating gestational diabetes candin agoniet (AAB64185-B64368) for treating gestational diabetes candination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gestarian delivery, hypertensive with GDM have increased rates of foetal abnormalities such as neural tube cesults in an elevated with an increased risk of neonatal morbidites centured as a speciated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, companial and subsequent childhood and adolescent obesity. The exendines are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family. Compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglyceemia in the newborn. They have a contraindicated for potent and prolonged effect on blood glucose, and, unlike conventional companist of the invention which is based upon the sequence of exendin-agonist of the sequence of ex

Sequence 28 AA;

1 match found in sequence: aab64227 ; Exendin agonist, SEQ ID NO:47 28

to: 28 (from "seq5ags.pep") TOIG of: aab64227 check: 63 from: 1

AAB64227 standard; peptide; 28 AA

AAB64227;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:47.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 40; Page 50; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin resistance and adminished ability to increase insulin resistance and insulin secretion. In cornerase. GDM pregnancies are associated with complications in both the mother and the foetus. Women, with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an a elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hypothilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinorropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for ontern and any ever proclonged hypoglycaemia in the newborn. They have a contraint and world and allowed to the place of the place of the contraindicated for not cause severe proclonged hypoglycaemia in the newborn. They have a contraint and world and allowed to the place of the place of the contraindicated for not cause severe proclonged hypoglycaemia in the newborn and thus do not cause severe proclonged hypoglycaemia in the newborn and thus and accounts and eventine and thus and thus and the severe proclonged hypoglycaemia in the newborn and the place of the contraindicated for the contraints of the place of the contraints of the cont potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64227 Length: 28 February 4, 2005 13:32 Type: P Check: 63 Found using 'seq5' (mohamed337.key)

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HGEGTFTSDLAKQLEEEAVRLFIEFLKN
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1 match found in sequence: aab64228; Exendin agonist, SEQ ID NO:48.

28 ţ from: 1 (from "seq5ags.pep") TOIG of: aab64228 check: 141

AAB64228 standard; peptide; 28 AA

AAB64228;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:48.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 41; Page 50; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM caesults in an elevated rate of Caesarian delivery, hypertensive defects, and is associated with an increased risk of neonatal tube cesults in an elevated rate of foral abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional cemptying and reduce appetite. The present sequence represents a exendin-quint the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64228 Length: 28 February 4, 2005 13:32 Type: P Check: 141

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with compilcations in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive clisorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, chypomagnessemia, chypomagnesse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                     check: 117 from: 1 to: 28
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aab64225 ; Exendin agonist, SEQ ID NO:45.
                                                                                                                                                                                                                                                                   AAB64225 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist, SEQ ID NO:45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-MAY-2000; 2000WO-US014231.
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                                                                         (from "seq5ags.pep")
TOIG of: aab64225 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                 AAB64225;
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AAB64225 Length: 28 February 4, 2005 13:32 Type: P Check: 117 Found using 'seq5' (mohamed337.key)

HGEGTFTADLSKQLEEEAVRLFIEFLKN

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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                           Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                          to: 28
match found in sequence:
aab64226; Exendin agonist, SEQ ID NO:46.
[from seq5ags.pep"]
TOIG of: aab64226 check: 151 from: 1 '
                                                                                                                                                                                                                                                                                                                                                 Example 39; Page 49; 133pp; English.
                                            AAB64226 standard, peptide; 28 AA
                                                                                                 Exendin agonist, SEQ ID NO:46.
                                                                                                                                                                                                                     23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                       99US-00323867
                                                                                 27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                           Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                               especially in a human.
                                                                                                                                                                                                                                                                                            WPI; 2001-137634/14.
                                                                                                                                                       Heloderma suspectum.
                                                                                                                                                                                  WO200073331-A2.
                                                                                                                                                                                                                                       01-JUN-1999;
                                                                                                                                                                                                    07-DEC-2000.
                                                                                                                                                                  Synthetic.
                                                               AAB64226;
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cincrease insulin secretion increase. GMD pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-clampsia, and unimary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporapasesemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which several members of the glucagon-like peptide family. homology with several members of the glucagon-like peptide family. COMPW, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contenting the terapy, should not cause weight gain, as they hibbit ascendin-qualint therapy, should not cause weight gain, as they hibbit agonist of the invention which is based upon the sequence of exendin-qualin

AAB64226 Length: 28 February 4, 2005 13:32 Type: P Check: 151 Found using 'seq5' (mohamed337.key)

Sequence 28 AA;

HGEGTFTSDASKQLEBEAVRLFIEFLKN

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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 36; Page 48; 133pp; English
AAB64223 standard; peptide; 28 AA.
                                                                                                                                                           Exendin agonist, SEQ ID NO:43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99US-00323867
                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Prickett KS;
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                                                                                                                                                                                                                                                                                                                        Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                       WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-1999;
                                                                                                        27-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-DEC-2000,
                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                     AAB64223;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hiles R,
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistence and a forest of the contract of increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as speciated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocralcaemia, hypocralcaemia, poperational, hypocralcaemia, hypocralcaemia, hypocralcaemia, hypocralcaemia, hyporphilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-3) which exhibit homeology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinctropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to reat type 2 diabetes, which are contraindicated for off, exendin and exendin agoniste of not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

28 February 4, 2005 13:32 Type: P Check: 166 (mohamed337.key) AAB64223 Length: 28 Found using 'seq5'

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HGEGAPTSDLSKQLEEEAVRLFIEFLKN
```

aab64224 ; Exendin agonist, SEQ ID NO:44.
(from "seq5ags.pep") 1 match found in sequence:

to: 28 TOIG of: aab64224 check: 231 from: 1

AAB64224 standard; peptide; 28 AA

AAB64224;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:44.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

01-JUN-1999;

Hiles R, Prickett KS;

(AMYL-) AMYLIN PHARM INC.

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 37; Page 48; 133pp; English

combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocraclaemia, hypomagnesemia, polycythaemia, hyporalinubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindiated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional consults and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

Type: P Check: 231 AAB64224 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

HGEGTATSDLSKQLEEEAVRLFIEFLKN 1

1 match found in sequence:

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combination tenates to the use of an exencin (warbell-Ebergal) of an exendin agonist (Aab64185-B64368) for treating pregnancy, and is due to mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive cliscorders such as pre-eclampsia, and urinary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural tube ceresults in an elevated rate of foetal abnormalities such as neural tube couch as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, cerendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type similar insulincropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for contrained exendin agoniets do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a pequence of present appetite. The present sequence represents and propertional agoniets, which is based upon the sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                       complication; neonatal abnormality; blood glucose modulator;
                   [Leu 14, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:41.
                                                              gestational diabetes mellitus; GDM;
                                                                                              pregnancy complication; neonatal abno
insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 13; Page 13; 133pp; English.
                                                                                                                                                                                                                                                                                                                                  23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                 99US-00323867
                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-137634/14.
                                                                                                                                                                    Heloderma suspectum
                                                                     Exendin agonist;
                                                                                                                                                                                                                                        WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                   01-JUN-1999;
                                                                                                                                                                                                                                                                                       07-DEC-2000
                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hiles R,
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AAB64221 Length: 28 February 4, 2005 13:32 Type: P Check: 261 Found using 'seq5' (mohamed337.key)

Sequence 28 AA;

HGEGTFTSDLSKQLEEEAVRLFIEFLKN

;; match found in sequence:
aab64222; Exendin agonist, SEQ ID NO:42.
(from "seq5ags.pep")
TOIG of: aab64222 check: 249 from: 1

AAB64222 standard; peptide; 28 AA.

28

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Exendin agonist, SEQ ID NO:42.
  (first entry)
  27-MAR-2001
AAB64222;
```

insulin resistance;

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 35; Page 47; 133pp; English.

cc exandin agonist (AAB64185-B64368) for treating gestational diabetes
cxendin agonist (AAB64185-B64368) for treating gestational diabetes
cxendin agonist (AAB64185-B64368) for treating pregnancy, and is due to
combination of increased insulin resistance and a diminished ability to
combination of increased insulin secretion increase. GND pregnancis a are
insulin resistance and insulin secretion increase. GND pregnancis as
sasociated with complications in both the mother and the foetus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
cedetts, and is associated with an increased risk of neonatal morbidites
cush shypoglycaemia, hypocalcaemia, polycythemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Cc secondin a na the wextran beaded lizard (exendin-3) which exhibit
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
GNM, exendins and exendin agonists do not cross the placenta and thus do
not cause severe prolonged hypoglycaemia in the newborn. They have a
contraind reduce appetite. The present sequence represents a exendin
cinsulin therapy, should not cause weight gain, as they inhibit gastric
agonist of the invention which is based upon the sequence fexendin-4

4, 2005 13:32 Type: P Check: 249 AAB64222 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

Sequence 28 AA;

HAEGTFTSDLSKQLEEEAVRLFIEFLKN

from: 1 to: 28 1 match found in sequence:
aab64223 ; Exendin agonist, SEQ ID NO:43.
(from "seq5ags.pep")
TOIG of: aab64223 check: 166 from: 1

Fri Feb

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both associated with complications in both the mother and the focus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypotalirubinaemia, and subsequent childhood and adolescent obesity. Reardins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for on to cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                    Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB64219 Length: 39 February 4, 2005 13:32 Type: P Check: 7221 Found using 'seq5' (mohamed337.key)
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  insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 30; Fig 1B; 133pp; English
                                                                                                                                                                                              23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                          99US-00323867
                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                  Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              especially in a human.
                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-137634/14.
                                           Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 39 AA;
                                                                                                         WO200073331-A2
                                                                                                                                                                                                                                          01-JUN-1999;
                                                                                                                                                   07-DEC-2000
                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                  Hiles R,
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1 match found in sequence:
   aab64220 ; Exendin-4 (1-28)-amide, SEQ ID NO:40.
   (from "seq5ags.pep")
   TOIG of: aab64220 check: 700 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                         Exendin-4 (1-28)-amide, SEQ ID NO:40.
                                                                                                                                                        AAB64220 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                              27-MAR-2001 (first entry)
                                                                                                                                                                                                                   AAB64220;
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27-MAR-2001 (first entry)

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combination relates to the use of an exendin (AABGSHSI-TobalEs) or an exendin agonist (AABGSHSE) for treadtional diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cincrease insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, compounds are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a computing and reduce appetite. The present sequence represents a specifically claimed exendin agonist, which is based upon the sequence of searching and reduce appetite. The present sequence represents a
Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB64220 Length: 28 February 4, 2005 13:32 Type: P Check: 700 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 13; Page 13; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB64221 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQMEEEAVRLFIEWLKN
1
                                                                                                                                                                                                                              23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                       99US-00323867.
                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                      Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-137634/14.
                                                                                   Heloderma suspectum.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
                                                                                                                                             WO200073331-A2
                                                                                                                                                                                                                                                                       01-JUN-1999;
                                                                                                                                                                                      07-DEC-2000.
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin resistence and insulin secretion increase. GDM pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the cila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinctropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged bypoglycaenia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional intention which is based upon the sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 28; Fig 1B; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (mohamed337.key)
                                                                                                                                                                                           23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                    99US-00323867
                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Prickett KS;
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Found using 'seq5' (mo
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WO200073331-A2.
                                                                                                                                                                                                                                                                                         01-JUN-1999;
                                                                                             07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hiles R,
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Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

23-MAY-2000; 2000WO-US014231

WO200073331-A2

Synthetic

07-DEC-2000.

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; The invention relates to the use of an exendin (AAB64181-B64182) or an

Example 29; Fig 1B; 133pp; English.

especially in a human.

WPI; 2001-137634/14.

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candin agonist (AAB64185-B64368) for treating pestational diabetes
mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancy women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
defects, and is associated with an increased risk of meonacial morbidites
such as hypoglycaemia, hypochagnesaemia, polycythaemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obesity.
Exendins are peptides from the salivary secretions of the Gila monster
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
homology with several members of the glucagon-like peptide family,
particularly GIP-1, and have similar insulinotropic effects. Unlike the
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agonists do not cross the placenta and thus do
not cause severe prolonged hypoglycaemia in the newborn. They have a
potent and prolonged effect on blood glucose, and, unlike conventional
computing and reduce appetite. The present sequence represents a exendin-
emptying and reduce appetite. The present sequence of exendin-4
agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB64218 Length: 39 February 4, 2005 13:32 Type: P Check: 8125
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 7221 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            aab64219; Exendin agonist, SEQ ID NO:39. (from "seq5ags.pep")
TOIG of: aab64219 check: 7221 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB64219 standard; peptide; 39 AA
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EXXXXXXXX
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to: 39

from: 1

AAB64218 standard; peptide; 39 AA.

1 match found in sequence: aab64218 ; Exendin agonist, SEQ ID NO:38.

(from "seq5ags.pep") TOIG of: aab64218 check: 8125

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:38.

(first entry)

27-MAR-2001

AAB64218;

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such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Berendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistence and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-clampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                           Example 26; Fig 1B; 133pp; English
                                                                     99US-00323867.
                        23-MAY-2000; 2000WO-US014231
                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                Prickett KS;
                                                                                                                                                                                                                                                                                                          especially in a human.
                                                                                                                                                                                                            WPI; 2001-137634/14.
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                                                                     01-JUN-1999;
                                                                                                                                                                Hiles R,
                                                                                                                                                                                                                                                              Use of
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AAB64215 Length: 39 February 4, 2005 13:32 Type: P Check: 487 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGXSSGAXXXS

to: 39 aab64216 ; Exendin agonist, SEQ ID NO:36 check: 487 from: 1 1 match found in sequence: (from "seq5ags.pep") OIG of: aab64216

AAB64216 standard; peptide; 39 AA.

Exendin agonist, SEQ ID NO:36. 27-MAR-2001 (first entry) AAB64216;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum,

Synthetic.

Exendin agonist, SEQ ID NO:37.

27-MAR-2001 (first entry)

Heloderma suspectum Synthetic.

WO200073331-A2.

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Exendin agonist (AAB64185-B64368) for treating gestational diabetes

caendin agonist (AAB64185-B64368) for treating gestational diabetes

centilitus (GDM) in a patient. GDM arises during pregnancy, and is due to a

combination of increased insulin reseistance and a diminished ability to

combination of increased insulin secretion increase. GDM pregnancies are

associated with complications in both the mother and the foetus. Women

considers such as pre-eclampsia, and urinary tract infections. GDM

caults in an elevated rate of foetal abnormalities such as neural tube

confounds in a secciated with an increased risk of neonatal morbidites

confounds and is associated with an increased risk of neonatal morbidites

such as hypodycaemia, hypocalcaemia, hypomagnessemia, polycythaemia,

confounds are peptides from the salivary secretions of the Gila monster

confounds used to kearal members of the glucagon-like peptide family,

conpounds used to treat type 2 diabetes, which are contraindicated for

CDM, exendins and exemin agonists do not cross the placenta and thus do

confounds used to treat type 2 diabetes, which are contraindicated for

CDM, exendins and exendin agonists do not cross the placenta and thus do

confounds used the members of the glucagon-like peptide

confounds used to treat type 2 diabetes, which are contraindicated for

CDM, exendins and exendin agonists do not cross the placenta and thus do

contrain therapy, should not cause weight gain, as they inhibit gastric

compounds to the invention which is based upon the sequence of exendin-4

construction which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                              Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64216 Length: 39 February 4, 2005 13:32 Type: P Check: 487 Found using 'seq5' (mohamed337.key)
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HGEGTFTSDLSKQLEEBAVRLPIEFLKNGGXSSGAXXXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aab64217; Exendin agonist, SEQ ID NO:37. (from "seq5ags.pep")
TOIG of: aab64217 check: 7660 from: 1
                                                                                                                                                                                                                                                                                                                                                                 Example 27; Fig 1B; 133pp; English.
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                                                            23-MAY-2000; 2000WO-US014231
                                                                                                       99US-00323867
                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                           especially in a human.
                                                                                                                                                                                           Prickett KS;
                                                                                                                                                                                                                                     WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
                                                                                                     01-JUN-1999;
                    07-DEC-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64217;
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating pregnancy, and is due to a callitus (GDM) in a patient. GDM arises during pregnancy, not increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-edlampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypedycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-1) which exhibit homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and brolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-gaonist of the invention which is based upon the sequence of exendin-9
                                                                                                                                                                         Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                             Example 24; Fig 1B; 133pp; English
                      (AMYL-) AMYLIN PHARM INC.
                                                                         Prickett KS;
                                                                                                                            WPI; 2001-137634/14.
                                                                         Hiles R,
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AAB64213 Length: 39 February 4, 2005 13:32 Type: P Check: 926 Found using '8eq5' (mohamed337.key) Sequence 39 AA;

to: 39 aab64214; Exendin agonist, SEQ ID NO:34. (from "seq5ags.pep")
TOIG of: aab64214 check: 678 from: 1 1 match found in sequence:

AAB64214 standard; peptide; 39 AA. 27-MAR-2001 (first entry) AAB64214;

Exendin agonist, SEQ ID NO:34.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

The invention relates to the use of an exemular (Arabathara Formal diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cincreased insulin secretion increase. GDM pregnancies are insulin resistance and insulin secretion increase. GDM pregnancies are sescrited with complications in both the mother and the foetus. Women with GDM have increased rates of Gessarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM centured in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, compounds are peptides from the salvary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged ffect on blood glucose, and, unlike conventional contraint therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4 agonist to the sequence of exendin-4 agonist of the envention which is based upon the sequence of exendin-4 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, invention relates to the use of an exendin (AAB64181-B64182) Example 25; Fig 1B; 133pp; English. 99US-00323867. (AMYL-) AMYLIN PHARM INC. Prickett KS; especially in a human. WPI; 2001-137634/14. 01-JUN-1999; Hiles R,

AAB64214 Length: 39 February 4, 2005 13:32 Type: P Check: 678 Found using 'seq5' (mohamed337.key)

Sequence 39 AA;

HGEGTFTSDLSKOMEEEAVRLPIEWLKNGGPSSGAXXXS

to: 39 l match found in sequence:
aab64215; Exendin agonist, SEQ ID NO:35.
(from "seq5ags.pep")
TOIG of: aab64215 check: 487 from: 1 AAB64215 standard; peptide; 39 AA. 27-MAR-2001 (first entry) AAB64215; BXBXSSXXXXXXXXXXXXXXXX

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:35.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

```
exendin agonist (AAB64185-B64368) for treating gestational diabetes
exendin agonist (AAB64185-B64368) for treating gestational diabetes
mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
cinsulin resistance and insulin secretion increase. GDM pregnancies are
associated with complications in both the mother and the foctus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foctal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obesity.
Exendine are peptides from the salivary secretions of the Gla monster
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
bomology with several members of the glucagon-like peptide family,
particularly GLP-1, and have similar insulinotropic effects. Unlike the
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agonists do not cross the placenta and thus do
not cause severe prolonged hypoglycaemia in the newborn. They have a
potent and prolonged effect on blood glucose, and, unlike conventional
insulin therapy, should not cause weight gain, as they inhibit gastric
emptying and reduce appetite. The present sequence represents a exendin-
                                                                                   Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                 Example 22; Fig 1B; 133pp; English.
                                                                                                                                            especially in a human.
                             WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 39 AA;
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AAB64211 Length: 39 February 4, 2005 13:32 Type: P Check: 926 Found using 'seq5' (mohamed337.key)

```
HGEGTFTSDLSKQMEERAVRLPIRWLKNGGXSSGAXXXS
```

1 match found in sequence: aab64212 ; Exendin agonist, SEQ ID NO:32. check: 678 from: 1 AAB64212 standard; peptide; 39 AA. (from "seq5ags.pep" TOIG of: aab64212 AAB64212;

to: 39

Exendin agonist, SEQ ID NO:32. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 11-JUN-1999;

(AMYL-)' AMYLIN PHARM INC.

Hiles R,

WPI; 2001-137634/14.

exendin agonists for lowering or reducing blood treating gestational diabetes mellitus in a subject, Use of exendins or exe glucose levels and tre especially in a human.

Example 23; Fig 1B; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candina agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and almulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive associated with complications in both the mother and the foetus. Women of disorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube of sociated with an increased risk of neonatal morbidites cauch as hypoglycaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster of exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for CDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence of exendin-4 cause weight gain, as they inhibit gastric emprying and reduce appetite. The based upon the sequence of exendin-4.

AAB64212 Length: 39 February 4, 2005 13:32 Type: P Check: 678 Found using 'seq5' (mohamed337.key)

Sequence 39 AA;

HGEGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAXXXS

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. from: 1 to: 39 1 match found in sequence: aab64213 ; Exendin agonist, SEQ ID NO:33. AAB64213 standard; peptide; 39 AA. Exendin agonist, SEQ ID NO:33. check: 926 27-MAR-2001 (first entry) (from "seq5ags.pep") TOIG of: aab64213 c AAB64213;

Heloderma suspectum WO200073331-A2. 07-DEC-2000, Synthetic.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candinal agonist (AAB64185-B64368) for treating gestational diabetes combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive causories such as pre-eclampsia, and urinary tract infections. GDM created rate of foetal abnormalities such as neural tubes contrained to a secondary as a secondary with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit choundony with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for CDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional consulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-consularly campain the sequence of exendin-to agonist of the invention which is based upon the sequence of exendin-to consular. glucose levels and treating gestational diabetes mellitus in a subject, 20; Fig 1B; 133pp; English especially in a human.

Sequence 39 AA;

AAB64209 Length: 39 February 4, 2005 13:32 Type: P Check: 9766 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLPIDWLKNGGPSSGAPPPS

check: 9365 from: 1 aab64210 ; Exendin agonist, SEQ ID NO:30 1 match found in sequence: (from "seq5ags.pep" FOIG of: aab64210

to: 39

AAB64210 standard; peptide; 39 AA. Exendin agonist, SEQ ID NO:30. 27-MAR-2001 (first entry) AAB64210;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS;

WPI; 2001-137634/14. Hiles R,

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 21; Fig 1B; 133pp; English.

the invention tradeces to the use of an exement the conditional diabetes candin agonist (AbB64185-B64368) for treating gestational diabetes candin agonist (AbB64185-B64368) for treating gestational diabetes compliated on increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and the fortus. Women the insulin resistance and the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalizubinsemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalizan descent childhood and adolescent obesity.

Compounds are peptides from the salivary secretions of the Gilam monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a coptent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence of exendin-4 exendin-9 based upon the sequence of exendin-4. invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 39 AA;

AAB64210 Length: 39 February 4, 2005 13:32 Type: P Check: 9365 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLPIEFLKNGGPSSGAPPPS

1 match found in sequence:

check: 926 from: 1 to: 39 aab64211 ; Exendin agonist, SEQ ID NO:31. AAB64211 standard; peptide; 39 AA (first entry) (from "seq5ags.pep") TOIG of: aab64211 (27-MAR-2001 AAB64211;

Exendin agonist, SEQ ID NO:31.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Heloderma suspectum Synthetic.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231. 07-DEC-2000.

99US-00323867. (AMYL-) AMYLIN PHARM INC. 01-NUT-1099;

Hiles R, Prickett KS;

Example 19; Fig 1B; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating pregnancy, and is due to a mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin receistance and adiminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cassociated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM requires and a sasociated with an increased risk of neonatal morbidites cauch as hypoglycaemia, hypomagnessemia, polycythaemia, hyporalirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family. Compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do contraindicated for insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-3 agonist of the invention which is based upon the sequence of exendin-4 Sequence 39 AA;

AAB64207 Length: 39 February 4, 2005 13:32 Type: P Check: 135 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEREAVRLPXEWLKNGGPSSGAPPPS

1 match found in sequence:
 aab64208; Exendin agonist, SEQ ID NO:28.
 (from "seq5ags.pep")
 TOIG of: aab64208 check: 9696 from: 1

to: 39

AAB64208 standard; peptide; 39 AA 27-MAR-2001 (first entry) AAB64208; THE SECRET SECRE

Exendin agonist, SEQ ID NO:28.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes cellinguis (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive casociated with an increased risk of neonatal tube considers such as pycoglycaemia, hypocalacaemia, hypocalacaemia, polycythaemia, chyperapilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraindicated for contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a coptent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-quality and reduce appetite. The present sequence represents a exendin-quality of the invention which is based upon the sequence of exendin-4 AAB64208 Length: 39 February 4, 2005 13:32 Type: P Check: 9696 Found using 'seq5' (mohamed337.key) HGEGTFTSDLSKQLEEEAVRLPXEFLKNGGPSSGAPPPS Sequence 39 AA;

to: 39 1 match found in sequence: aab64209; Exendin agonist, SEQ ID NO:29.

(from "seq5ags.pep")
TOIG of: aab64209 check: 9766 from: 1 AAB64209 standard; peptide; 39 AA. AAB64209;

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication; neonatal abnormality, blood glucose modulator; insulinotropic, anorectic, exendin-4. Exendin agonist, SEQ ID NO:29. 27-MAR-2001 (first entry)

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

exendins or exendin agonists for lowering or reducing blood Use of

combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporathirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insuling respected for COMP, exendins and exendin agonists of once cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional consuling the appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

AAB64205 Length: 39 February 4, 2005 13:32 Type: P Check: 9790 ound using 'seqs' (mohamed337.key) Found using 'seq5'

HGEGTFTSDLSKQMEEEAVRLPIEWLKYGGPSSGAPPPS

from: 1 aab64206 ; Exendin agonist, SEQ ID NO:26 check: 9351 1 match found in sequence: n "seq5ags.pep" of: aab64206 (from

to: 39

AAB64206 standard, peptide, 39 AA. 27-MAR-2001 (first entry) AAB64206;

Exendin agonist, SEQ ID NO:26.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 17; Fig 1B; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Casarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of moental morbidites and as huncal increased risk of moental morbidites. such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity. Beradins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican belalvary secretions of the Gila monster (exendin-4) and the Mexican beladed lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

AAB64206 Length: 39 February 4, 2005 13:32 Type: P Check: 9351 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLEERAVRLPIEFLKNGGPSSGAPPPS

to: 39 1 match found in sequence:
aab64207; Exendin agonist, SEQ ID NO:27.
[from "seq5ags.pep"]
TOIG of: aab64207 check: 135 from: 1

AAB64207 standard; peptide; 39 AA

AAB64207;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:27.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

99US-00323867.

01-JUN-1999;

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 18; Fig 1B; 133pp; English.

Fri Feb

with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporablirubinaemia, and subsequent childhood and adolescent obesity.

Exendina are peptides from the sallvary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the qlucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 88888888888888888888

Sequence 39 AA;

AAB64203 Length: 39 February 4, 2005 13:32 Type: P Check: 9519 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQXEEEAVRLP1EFLKNGGPSSGAPPPS

to: 39 aab64204; Exendin agonist, SEQ ID NO:24. (from "seq5ags.pep")
TOIG of: aab64204 check: 9966 from: 1 1 match found in sequence:

AAB64204 standard; peptide; 39 AA AAB64204;

Exendin agonist, SEQ ID NO:24. 27-MAR-2001 (first entry)

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 15; Fig 1B; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both

with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focatal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypogalyceenia, hypomagnessemia, polycythaemia, no beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulincropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniste do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional content and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 insulin resistance and insulin secretion increase. GDM pregnancies are 8888888888888888888888888888888888

Sequence 39 AA;

AAB64204 Length: 39 February 4, 2005 13:32 Type: P Check: 9966 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEBEAVRLXIEWLKNGGPSSGAPPPS

;; check: 9790 from: 1 match found in sequence: aab64205 ; Exendin agonist, SEQ ID NO:25. AAB64205 standard; peptide; 39 AA (from "seq5ags.pep") TOIG of: aab64205

39

AAB64205;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:25.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

99US-00323867.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose, levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 16; Fig 1B; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to

such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendina are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendina and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

8888888888888888888

Sequence 39 AA;

AAB64201 Length: 39 February 4, 2005 13:32 Type: P Check: 9471 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDXSKQLEEBAVRLPIBFLKNGGPSSGAPPPS

to: 39 . match found in sequence:
aab64202; Exendin agonist, SEQ ID NO:22.
(from "seq5ags.pep")
(TOIG of: aab64202 check: 9944 from: 1 check: 9944 from: 1

AAB64202 standard; peptide; 39 AA

27-MAR-2001 (first entry) AAB64202;

Exendin agonist, SEQ ID NO:22.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. Example 13; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypercensive disorders such as pre-eclampsia, and urinary tract infections. GDM

defects, and is associated with an increased risk of neonatal morbidites such as hypogalycaemia, hypocalcaemia, promagnesemia, polycythaemia, hypocalcaemia, promagnesemia, polycythaemia, hypocalcaemia, promagnesemia, polycythaemia, hyporagnesemia, polycythaemia, hyporagnesemia, polycythaemia, hyporagnesemia, polycythaemia, hyporagnesemia, polycythaemia, hyporphilarubhiaemia, and subsequent childhood and adolescent obesity.

Exendina are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional interapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 %\$GGGGGGGGGGGGG

Sequence 39 AA;

Type: P Check: 9944 AAB64202 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQXBEBAVRLPIEWLKNGGPSSGAPPPS 1

(from "seq5ags.pep")
TOIG of: aab64203 check: 9519 from: 1 1 match found in sequence: aab64203 ; Exendin agonist, SEQ ID NO:23

to: 39

AAB64203 standard; peptide; 39 AA. AAB64203;

Exendin agonist, SEQ ID NO:23. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 14; Fig 1B; 133pp; English.

๙ The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women

homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 888888888888

Sequence 39 AA;

AAB64199 Length: 39 Pebruary 4, 2005 13:32 Type: P Check: 9799 Found using 'seq5' (mohamed337.key)

HGEGTFTSELSKOMEERAVRLPIEWLKNGGPSSGAPPPS

to: 39 aab64200 ; Exendin agonist, SEQ ID NO:20. (from "seg5ags.pep")
TOIG of: aab64200 check: 9910 from: 1 1 match found in sequence:

AAB64200 standard; peptide; 39 AA

Exendin agonist, SBQ ID NO:20. (first entry) 27-MAR-2001 AAB64200;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDW) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject, Example 11; Fig 1A; 133pp; English. especially in a human. glucose Use of

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional linsulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA; 8888888888888888 AAB64200 Length: 39 February 4, 2005 13:32 Type: P Check: 9910 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDXSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 l match found in sequence:
aab64201; Exendin agonist, SEQ ID NO:21.
(from "seq5ags.pep")
TOIG of: aab64201 check: 9471 from: 1

AAB64201;

AAB64201 standard; peptide; 39 AA

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:21.

Exendin agonist; gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 12; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64182-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and adminished ability to insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites

seq5 ags.res

not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric empeying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 88888888

Sequence 39 AA;

AAB64197 Length: 39 February 4, 2005 13:32 Type: P Check: 9791 Found using 'seq5' (mohamed337.key)

HGEGTFSTDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 check: 9798 from: 1 aab64198 ; Exendin agonist, SEQ ID NO:18 1 match found in sequence: (from "seq5ags.pep") TOIG of: aab64198 c

AAB64198 standard; peptide; 39 Exendin agonist, SEQ ID NO:18. (first entry) 27-MAR-2001 AAB64198;

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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

WO200073331-A2 Synthetic.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 9; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are sesociated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM caesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the

thus do compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

88888888888

Length: 39 February 4, 2005 13:32 Type: P Check: 9798
g 'seq5' (mohamed337.key) Found using AAB64198

HGEGTPTTDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 check: 9799 from: 1 aab64199 ; Exendin agonist, SEQ ID NO:19 1 match found in sequence: (from "seq5ags.pep") TOIG of: aab64199 c

AAB64199 standard; peptide; 39 AA 27-MAR-2001 (first entry) AAB64199;

Exendin agonist, SEQ ID NO:19.

gonist; gestational diabetes mellitus; GDM; insulin resistance; complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist; pregnancy

Heloderma suspectum Synthetic.

WO200073331-A2. 07-DEC-2000. 23-MAY-2000; 2000WO-US014231.

99US-00323867. 1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 10; Fig 1A; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (CDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cregults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the sallvary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Sexendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject, agonist of the invention which is based upon the seguence of exendin-4 AAB64195 Length: 39 February 4, 2005 13:32 Type: P Check: 9898 ound using 'seq5' (mohamed337.key) to: 39 HGEGTXTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS aab64196 ; Exendin agonist, SEQ ID NO:16.
(from "seq5ags.pep")
TOIG of: aab64196 check: 9783 from: 1 Example 7; Fig 1A; 133pp; English. AAB64196 standard; peptide; 39 AA. Exendin agonist, SEQ ID NO:16. 99US-00323867. 23-MAY-2000; 2000WO-US014231 (first entry) (AMYL-) AMYLIN PHARM INC Prickett KS; glucose levels and tre especially in a human. WPI; 2001-137634/14. 1 match found in sequence: Heloderma suspectum Sequence 39 AA; WO200073331-A2. Found using 'seq5' 01-JUN-1999; 27-MAR-2001 07-DEC-2000 Synthetic. AAB64196; Hiles R, Use of

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a parlient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendir agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                AAB64196 Length: 39 February 4, 2005 13:32 Type: P Check: 9783 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                   to: 39
                                                                                                                                                                                                      HGRGTFSSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                       aab64197 ; Exendin agonist, SEQ ID NO:17.
(from "seq5ags.pep")
TOIG of: aab64197 check: 9791 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 8; Fig 1A; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                AAB64197 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist, SEQ ID NO:17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-MAY-2000; 2000WO-US014231.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                    found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-137634/14.
                                                                                        Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-JUN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB64197;
                                                                                                                                                                                                                                                                                                                    1 match
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Check: 9787

Type: P

AAB64194 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

Sequence 39 AA;

|-----| HGDGTFTSDLSKQMEERAVRLPIEWLKNGGPSSGAPPPS

82

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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
    :
 Check: 24
Length: 39 February 4, 2005 13:32 Type: P 'seq5' (mohamed337.key)
                                                                                                           to: 39
                                       HGEGTFTSDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPY
                                                                              1 match found in sequence:
aab64194; Exendin agonist, SEQ ID NO:14.
(from "seq5ags.pep")
TOIG of: aab64194 check: 9787 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 5; Fig 1A; 133pp; English.
                                                                                                                              AAB64194 standard; peptide; 39 AA
                                                                                                                                                                                       Exendin agonist, SEQ ID NO:14.
                                                                                                                                                                                                                                                                                                                                       99US-00323867.
                                                                                                                                                                                                                                                                                                                   23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                     27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                             Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                      especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-137634/14.
                                                                                                                                                                                                                                                  Heloderma suspectum
                                                                                                                                                                                                                                                                              WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                       01-JUN-1999;
                                                                                                                                                                                                                                                                                                 07-DEC-2000
                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                   AAB64194;
             Found using
   AAB64193
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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS;

23-MAY-2000; 2000WO-US014231.

Exendin agonist, SEQ ID NO:15.

27-MAR-2001 (first entry)

AAB64195;

to: 39

match found in sequence:
aab64195; Exendin agonist, SEQ ID NO:15.
(from "seq5ags.pep")
TOIG of: aab64195 check: 9898 from: 1

AAB64195 standard; peptide; 39 AA.

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gessarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cresults in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, byporalcaemia, hypomagnesaemia, polycythaemia, contina are peptides from the salivary secretions of the Gila monster exendines are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cross the placenta and thus do not cross the placent and prolonged effect on blood glucose, and, unlike conventional computing and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin
                                                                                                   Use of exendins or exendin agonists for lowering or reducing blood
glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                      Example 6; Fig 1A; 133pp; English.
                                                                                                                                                                                                                                      especially in a human.
WPI; 2001-137634/14.
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combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDW) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM regulates in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, polycaemia, polycaemia, hypomagnessenia, polycythaemia, not compounds used to treat type 2 diabetes, which are contraindicated for GDM, particularly GLD-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4

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HGEGTFTSDLSKQMEEEAVRLPIEFLKNGGPSSGAPPPS
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to: 39 from: 1 match found in sequence:
aab64192; Exendin agonist, SEQ ID NO:12.
[from "seq5ags.pep"]
TOIG of: aab64192 check: 9807 from: 1

AAB64192 standard; peptide; 39 AA.

AAB64192;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:12.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 3; Fig 1A; 133pp; English.

the inventor charges to the use of an executing destational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cesearian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide for GDM, exendins and exendin agonists do not cross the placent and thus do not cross the placent and thus do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4 emptying and reduce appetite. The based upon the sequence of exendin-4 The invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 39 AA;

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AAB64192 Length: 39 February 4, 2005 13:32 Type: P Check: 9807 Found using 'seq5' (mohamed337.key)
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|-----|
|GEGTFTSDLSKQMEBEAVRLPIEWLKNGGPSSGAPPPS
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to: 39
               aab64193; Exendin agonist, SEQ ID NO:13. (from "seq5ags.pep")
TOIG of: aab64193 check: 24 from: 1 to
found in sequence:
1 match
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AAB64193 standard; peptide; 39

AAB64193;

27-MAR-2001

(first entry)

Exendin agonist, SEQ ID NO:13.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 4; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive alsorders such as pre-clampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster compounds used to kreat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence of exendin-4 emptying and reduce appetite. The present sequence of exendin-4 emptying and reduce appetite. The present sequence of exendin-4

Sequence 39 AA;

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ceredin agonist (AAB64185-B64368) for treating gestational diabetes
ceredin agonist (AAB64185-B64368) for treating gestational diabetes
ceredin agonist (AAB64185-B64368) for treating gestational diabetes
ceredinal agonist (AAB64185-B64368) for treating pregnancy, and is due to a
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
increase insulin secretion in both the mother and the feetus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
ceresults in an elevated rate of feetal abnormalities such as neural tube
ceresults in an elevated rate of feetal abnormalities such as neural tube
ceresults in an elevated with an increased risk of neonatal morbidites
ceresults as hypoglycaemia, hypocacalcaemia, hypomagnesemia, polycythaemia,
ceresults are peptides from the salivary secretions of the Gila monster
ceresults are peptides from the salivary secretions of the Gila monster
ceresults are peptides from the salivary secretions of the Gila monster
ceresults and the Mexican beaded lizard (exendin-3) which exhibit
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
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compounds used to treat by an enter the for compounds used the for
compounds used t
                                                                                                                                                                                                                                                                                       Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendins or exendin agonists for lowering or reducing blood gestational diabetes mellitus in a subject,
                                                              33
                                                                t0:
            aab64190; Exendin agonist, SEQ ID NO:10.
(from "seq5ags.pep")
TOIG of: aab64190 check: 9776 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 2; Fig 1A; 133pp; English.
                                                                                                             AAB64190 standard; peptide; 39 AA.
                                                                                                                                                                                                                                                       Exendin agonist, SEQ ID NO:10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99US-00323867.
                                                                                                                                                                                                            27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-137634/14.
1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-JUN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hiles R,
                                                                                                                                                               AAB64190;
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AAB64190 Length: 39 February 4, 2005 13:32 Type: P Check: 9776 ... Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLPIEWLKNGGPSSGAPPPS

AAB64191 Length: 39 February 4, 2005 13:32 Type: P Check: 9365 Found using 'seq5' (mohamed337.key)

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes condination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion increase. GMV pregnancise are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cesearian delivery, hypertensive with GDM have increased rate of foetal abnormalities such as neural tube cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnasemia, polycythaemia, hyporalcaemia, polycythaemia, cesuch as hypoglycaemia, polycythaemia, hyporalcaemia, polycythaemia, hyporalcaemia, polycythaemia, cesuch as hypoglycaemia, polycythaemia, hombeque in morbidity cesuch and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are period of the diapenies of the glucagon-like population and exendin agonies of exendin as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 emptying and reduce appetite is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                   Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Use of exendins or exendin agonists for lowering or reducing blood
glucose levels and treating gestational diabetes mellitus in a subject,
                                                            to: 39
                                                              from: 1
               aab64191 ; Exendin agonist, SEQ ID NO:11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 3; Fig 1A; 133pp; English.
                                                                                                           AAB64191 standard; peptide; 39 AA
                                                                                                                                                                                                                                                        Exendin agonist, SEQ ID NO:11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-00323867.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-MAY-2000; 2000WO-US014231.
                                                                 check: 9365
                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-137634/14.
1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 39 AA;
                                          (from "seq5ags.pep")
TOIG of: aab64191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-JUN-1999;
                                                                                                                                                                                                               27-MAR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                AAB64191;
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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                             exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                             [Leu 14, Phe 25] - exendin-4 amide, SEQ ID NO:9.
AAB64188 standard; peptide; 39 AA
                                                                                                                                                                                                                                                            Claim 13; Page 13; 133pp; English
                                                                                                                                                23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                99US-00323867
                               (first entry)
                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                               Prickett KS;
                                                                                                                                                                                                                                              especially in a human.
                                                                                                                                                                                                              WPI; 2001-137634/14.
                                                                                           Heloderma suspectum
                                                                                                                  WO200073331-A2.
                                                                                                                                                               01-JUN-1999;
                               27-MAR-2001
                                                                                                                                  07-DEC-2000.
                                                                                                   Synthetic.
               AAB64188;
                                                                                                                                                                                              Hiles R,
                                                                                                                                                                                                                              Use of
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GND pregnancies are associated with compilcations in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, byperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendins are peptides from the salivary secretions of the exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniets do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a specifically claimed exendin agonist, which is based upon the sequence of

Sequence 39 AA;

AAB64188 Length: 39 February 4, 2005 13:32 Type: P Check: 9131 Found using 'seq5' (mohamed337.key) HGEGTFTSDLSKQLEEEAVRLFIBFLKNGGPSSGAPPPS

```
1 match found in sequence:
aab64189 ; Exendin agonist, SEQ ID NO:9.
```

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. to: 39 from: 1 AAB64189 standard; peptide; 39 AA. Example 1; Fig 1A; 133pp; English. Exendin agonist, SEQ ID NO:9. 99US-00323867. 23-MAY-2000; 2000WO-US014231. (from "seq5ags.pep") TOIG of: aab64189 check: 9351 27-MAR-2001 (first entry) (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; WPI; 2001-137634/14. Heloderma suspectum WO200073331-A2. 01-JUN-1999; 07-DEC-2000 Synthetic. AAB64189;

combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin secretion increase. GDM pregnancise are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporagnessemia, polycythaemia, hyporagnessemia, polycythaemia, hyporagnessemia, polycythaemia, hypomagnessemia, polycythaemia, polycomia, used to treat type 2 diabetes, which are contraindicated for components used to treat type 2 diabetes, which are contraindicated for components used to treat type 2 diabetes, which are contraindicated for components and prolonged effect on blood glucose, and, unlike conventional polycy appring and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

AAB64189 Length: 39 February 4, 2005 13:32 Type: P Check: 9351 Found using 'seq5' (mohamed337.key) |-----| HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGPSSGAPPPS

Sequence 39 AA;

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Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator;
                               insulinotropic; anorectic; exendin-4.
     Exendin-4 (1-30)-amide, SEQ ID NO:7.
                                                                                                                                                                                Claim 13; Page 13; 133pp; English
                                                                                                    99US-00323867.
                                                                                        23-MAY-2000; 2000WO-US014231.
                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                              Prickett KS;
                                                                                                                                                                    especially in a human.
                                                                                                                                          WPI; 2001-137634/14.
                                            Heloderma suspectum
                  Exendin agonist;
                                                              WO200073331-A2.
                                                                                                    01-JUN-1999;
                                                                           07-DEC-2000
                                                  Synthetic.
                                                                                                                              Hiles R,
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Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes medilitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both casociated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-clampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tubes defects, and is associated with an increased risk of neonatal morbidites uch as hypogyrosemia, hypocalcaemia, hypomagnesemia, polycythaemia, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several hypoglycaemia in the newborn. They have a compounds used to treat type 2 diabetes, which are contraining and exendin agonist, which is based upon the sequence of emptying and reduce appetite. The prosent sequence represents a potent empty adone appetite. The proses, and, unlike conventional insulin therapy, should not cause weight gain, as they

Sequence 30 AA;

AAB64186 Length: 30 February 4, 2005 13:32 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG

match found in sequence: aab64187; [Leu 14, Ala 22, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:8. : : check: 151 from: 1 (from "seq5ags.pep") TOIG of: aab64187 cl

AAB64187 standard; peptide; 28 AA.

AAB64187;

(first entry) 27-MAR-2001

[Leu 14, Ala 22, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:8.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867,

01-JUN-1099;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Disclosure; Page 13; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B61868) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gaesarian delivery, hypertensive disorders such as pre-eclampsia, and urlnary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube cells. And subsequent childhood and adolescent obssity.

The peptides from the salivary secretions of the Gila monster (exendin a med the Mexican beaded lizard (exendin-3) which exhibit chomology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypolycaemia in the newborn. They have a contraind and severe prolonged hypolycaemia in the newborn. They have potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendia agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

February 4, 2005 13:32 Type: P Check: 151 AAB64187 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLAIEFLKN 1

1 match found in sequence:
ab56188 ; [Leu II, Phe 25] - exendin-4 amide, SEQ ID NO:9.
(from "seq5ags.pep")
TOIG of: aab64188 check: 9131 from: 1 to: 39

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pregnancy complication; neonatal abnormality; blood glucose modulator;
                                             insulinotropic; anorectic; Gila monster.
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Heloderma suspectum

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject, especially in a human. qlucose Use of

Claim 12; Page 11; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64188-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsala, and unimary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cauch as hypoglycaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polychaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polychaemia, hypomagnesemia, polychaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polychaemia, hypomagnesemia, polyciaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, hypomagnese nvention

Sequence 39 AA;

AAB64182 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seg5' (mohamed337.key)

HGEGTPTSDLSKOMEBEAVRLPIEWLKNGGPSSGAPPPS

match found in sequence

to: 30 aab64185; Exendin-4 (1-30), SEQ ID NO:6. (from "seg5ags.pep")
TOIG of: aab64185 check: 4889 from: 1 AAB64185 standard; peptide; 30 AA

AAB64185

(first entry) 27-MAR-2001 SXXXEXB

Exendin-4 (1-30), SEQ ID NO:6.

diabetes mellitus; GDM; insulin resistance; stal abnormality; blood glucose modulator; pregnancy complication; neonatal abno: insulinotropic; anorectic; exendin-4. Exendin agonist; gestational diab premancy complication; neonatal

Heloderma suspectum

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 13; Page 13; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion in contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in contrast, in a normal pregnancy, both with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, cand subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit chomology with several members of the glucagon-like peptide family. Compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a specifically claimed exendin agonist, which is based upon the sequence of

Sequence 30 AA;

AAB64185 Length: 30 February 4, 2005 13:32 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG

to: 30 aab64186; Exendin-4 (1-30)-amide, SEQ ID NO:7. (from "seq5ags.pep")
TOIG of: aab64186 check: 4889 from: 1 to: 30 1 match found in sequence:

AAB64186 standard; peptide; 30 AA

AAB64186; SXXXE

27-MAR-2001 (first entry)

23-MAY-2000; 2000WO-US014231

Heloderma horridum.

WO200073331-A2.

07-DEC-2000

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

Hiles R,

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Exendin 4; Gila monster venom; GLP-1 analogue; glucagon-like peptide-1; type II diabetes; non-insulin dependent diabetes mellitus; NIDDM; beta-cell function; secretory capacity; impaired glucose tolerance; IGT; beta-cell stimulatory test; diagnostic test; insulinotropic.
      Gila monster venom GLP-1 analogue, exendin 4.
                                                                                                                                                                                                                                    Disclosure; Page 13; 42pp; English.
                                                                                                                              99US-00333415.
                                                                                                            14-JUN-2000; 2000WO-US016428
                                                                                                                                              (BION-) BIONEBRASKA INC.
                                                                                                                                                                             WPI; 2001-102518/11.
                                                              Heloderma suspectum
                                                                              WO200077039-A2
                                                                                                                              15-JUN-1999;
                                                                                                                                                                                                                      function
                                                                                               21-DEC-2000
                                                                                                                                                              Holst JJ,
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Evaluating beta-cell secretory capacity and responsiveness to glucose, useful for diagnosing impaired glucose tolerance and diabetes, comprises employing glucagon-like-peptide-1 as a diagnostic test to determine beta-

The invention relates to a new method for evaluating beta-cell secretory capacity in an individual, or responsiveness of a beta-cell to glucose, comprising the administration of glucose and glucagon.like peptide-1 (GLP -1) or its biologically active analogues. The response in the individual constraint is then measured against the standard response of a healthy individual to determine if the individual has impaired beta-cell function. The method is particularly useful for diagnosing impaired glucose tolerance (IGT) and non-insulin-dependent (type II) diabetes. The method is a rapid test of beta-cell function, which is a marker for impaired glucose tolerance. Unlike prior methods, the method is reliable and without significant adverse side effects and/or patient pain and discomborator. The method also provides information about insulin secretory capacity, and is easy and represente a prior reproducible. The present sequence represents a Gila monster venom GLP-1 analogue peptide referred to in the disclosure of the invention

Sequence 39 AA;

AAB60254 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seq5' (mchamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence:
aab64181; Mexican beaded lizard exendin-3, SEQ ID NO:1.
(from "seq5ags.pep")
TOIG of: aab64181 check: 9591 from: 1 to: 39

Mexican beaded lizard exendin-3, SEQ ID NO:1. (first entry) 27-MAR-2001 AAB64181;

AAB64181 standard; peptide; 39 AA

Exendin-3; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; Mexican beaded lizard.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive consolutes in an elevated rate of foctal abnormalities such as neural tube contrast, and is associated with an increased risk of neonatal morbidites contrast and is associated with an increased risk of neonatal morbidites contrast by hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hypotalcaemia, polycythaemia, contrainding and the Mexican beaded lizard (exendin.) and che Mexican beaded lizard (exendin.) and che Mexican beaded lizard (exendin.) and che weight gain, as they inhibit gaetric contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds advanced fifted and process the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contain therapy, should not cause weight gain, as they inhibit gaetric emptying and reduce appetite. The present sequence represents exendin-3 contain in the hexican beaded lizard which is specifically and to rease severe process the presents expresents exendin. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Claim 11; Page 10-11; 133pp; English. glucose levels and tre: especially in a human. WPI; 2001-137634/14. the invention

Sequence 39 AA;

AAB64181 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 Found using 'seq5' (mohamed337.key

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence: aab64182 ; Gila monster exendin-4, SEQ ID NO:2.

to: 39 Gila monster exendin-4, SEQ ID NO:2. from: 1 AAB64182 standard; peptide; 39 AA check: 9570 (first entry) (from "seq5ags.pep") TOIG of: aab64182 cl 27-MAR-2001 AAB64182;

Exendin-4; gestational diabetes mellitus; GDM; insulin resistance;

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The invention relates to modified insulinotropic peptides (irle), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., esrum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP -1) or exendin and contain a reactive group such as a maleimido group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, paticularly type of the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS); to activate the anxiolytic effect on the central nervous system (CNS); to activate the carcillett and as a treatment for insulin resistance, particularly that which occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides increased stability in the presence of peptidaess. The peptides of the invention therefore have a longer in vivo. half-life as they are less susceptible to proteolytic degradation. The present sequence represents in insulinotropic peptide of the invention
                                                                                                                                                                                                                                      /note= "Side chain is linked to a maleimidopropionic acid (MPA) moiety, optionally via two AEEA ([2-(2-amino)ethoxy]ethoxy acetic acid) linking groups"
                  Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidase stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to modified insulinotropic peptides (ITPB),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L'archeveque B, Ezrin AM, Holmes DL, Leblanc A;
                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 19; Page 69; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-0134406P.
                                                                                                                                                                                                                                                                                                                                                                                                                       17-MAY-2000; 2000WO-US013563
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CONJ-) CONJUCHEM INC.
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                                                                                                                                                                                                                                                                                                                                  WO200069911-A1
                                                                                                                                                                                                 Key
Modified-site
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15-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bridon DP, 1
St Pierre S;
                                                                                                                                                                                                                                                                                                                                                                              23-NOV-2000.
                                                                                                                                                     Synthetic
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AAB48823 Length: 40 February 4, 2005 13:32 Type: P Check: 2591 Found using 'seq5' (mohamed337.key)

HSDGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPSK

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l match found in sequence:
aab60252; Gila monster venom GLP-1 analogue, exendin 3.
(from "seq5ags.pep")
TOIG of: aab60222 check: 9591 from: 1 to: 39
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The invention relates to a new method for evaluating beta-cell secretory capacity in an individual, or responsiveness of a beta-cell to glucose, comprising the administration of glucose and glucagon-like peptide-1 (GLP -1) or its biologically active analogues. The response in the individual cast then measured against the standard response of a healthy individual to determine if the individual has impaired beta-cell function. The method is particularly useful for diagnosing impaired glucose tolerance (IGT) and non-insulin-dependent (type II) diabetes. The method is a rapid test of beta-cell function, which is a marker for impaired glucose tolerance. Unlike prior methods, the method is reliable and without significant adverse side effects and/or patient pain and discomfort. The method also provides information about insulin secretory capacity, and is easy and reproducible. The present sequence represents a Gila monster venom GLP-1 analogue peptide referred to in the disclosure of the invention Evaluating beta-cell secretory capacity and responsiveness to glucose, useful for diagnosing impaired glucose tolerance and diabetes, comprises employing glucagon-like-peptide-1 as a diagnostic test to determine betacell function. Exendin 3; Gila monster venom; GLP-1 analogue; glucagon-1ike peptide-1; type II diabetes; non-insulin dependent diabetes mellitus; NIDDM; beta-cell function; secretory capacity; impaired glucose tolerance; IGT; beta-cell stimulatory test; diagnostic test; insulinotropic. Gila monster venom GLP-1 analogue, exendin 3. Disclosure, Page 13; 42pp; English. Š AAB60252 standard; peptide; 39 14-JUN-2000; 2000WO-US016428. 28-MAR-2001 (first entry) (BION-) BIONEBRASKA INC. Holst JJ, Vilsboll T; Heloderma suspectum. WPI; 2001-102518/11. WO200077039-A2 15-JUN-1999; 21-DEC-2000. AAB60252;

AAB60252 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 Found using 'seq5' (mohamed337.key) Sequence 39 AA;

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

L match found in sequence:
aab60254; Gila moneter venom GLP-1 analogue, exendin 4.
(from "seq5ags.pep")
TOIG of: aab60254 check: 9570 from: 1 to: 39

AAB60254; SXXXE

28-MAR-2001 (first entry)

AAB60254 standard; peptide; 39 AA

Leblanc A;

17-MAY-1999; 15-OCT-1999;

23-NOV-2000

St Pierre S;

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derivatives thereof which comprise a reactive group which reacts with derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GIP or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, cype II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders; includice and anxiolytic effect on the central nervous system (CNS); to activate the constolytic effect on the central nervous system (CNS); to activate the constolytic effect on the central nervous system (CNS); to activate the constolytic effect on the central nervous system (CNS); to activate the confidence of the invention to a blood component via the reactive group provides increased stability in the presence of peptidaess. The peptides of the invention therefore have a longer in vivo. half-life as they are less susceptible to proteolytic degradation. The present sequence represents
                                                                                 /note= "Side chain is linked to a maleimidopropionic acid (MPA) moiety, optionally via two AEEA {[2-{2-amino}ethoxy]ethoxy acetic acid) linking groups"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ezrin AM, Holmes DL,
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                            Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 19; Page 62; 96pp; English.
                                                                                                                                                                                                                                                                                                                                  17-MAY-2000; 2000WO-US013563
                                                                                                                                                                                                                                                                                                                                                                                          99US-0134406P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             L'archeveque B,
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aab48823 ; Exendin-3(1-39)Lys40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (CONJ-) CONJUCHEM INC.
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TOIG of: aab48823 cl
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                                                                                                                                                                                                              WO200069911-A1
                               Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                          17-MAY-1999;
15-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            St Pierre S;
                                                                                                                                                                                                                                                                   23-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bridon DP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB48823;
8X4X5X8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to modified insulinderoptic peptides (1178), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinderopic competides of the invention are derivatives of glucagon-like peptide 1 (GLP -1) or exendin and contain a reactive group such as a maleimido group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, paticularly type II (maturity onset) diabetes. It is also useful as sedative; for type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS); to activate the carcilytic effect on the central nervous system (CNS); to activate the carcolopy; and as a treatment for insulin resistence, particularly that which occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides increased stability in the presence of peptidaese. The peptides of the invention therefore have a longer in vivo. half-life as they are less susceptible to proteolytic degradation. The present sequence represents
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention relates to modified insulinotropic peptides (ITPs), or
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                                                                                                                                                                                                                                                                                                      Leblanc A;
                                                                                                                                                                                                                                                                                                      Holmes DL,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 5; Page 91; 96pp; English.
                                                                                                                                               99US-0134406P.
                                                                                    17-MAY-2000; 2000WO-US013563
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                                                                                                                                                                                                                                          (CONJ-) CONJUCHEM INC.
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TOIG of: aab48822 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 40 AA;
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Synthetic

seq5_ags.res

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The invention relates to modified insulinotropic peptides (ITPB), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., erum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP 1) or exendin and contain a reactive group such as a maleimide group or a succinimidal group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a succinimidal group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, particularly type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS); to activate the CNS for the treatment of disorders such as depression, memory loss and narcolepsy; and as a treatment for insulin resistance, particularly that which occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides increased stability in the presence of peptidases. The peptides of the invention therefore have a longer in vivo. half-life as they are less unsceptible to proteolytic degradation. The present sequence represents an insulinotropic peptide referred to in the disclosure of the invention
                                                                                                                                                                                                                                                                                  Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
                                                                                                                                                         Leblanc A;
                                                                                                                                                            Holmes DL,
                                                                                                                                                            L'archeveque B, Ezrin AM,
                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 89; 96pp; English.
                        99US-0134406P
                                                                                                        (CONJ-) CONJUCHEM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 39 AA;
                     17-MAY-1999;
15-OCT-1999;
                                                                                                                                                       Bridon DP, 1
St Pierre S;
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AhB48801 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)

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HGEGTPTSDLSKQMEERAVRLFIEWLKNGGPSSGAPPPS
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check: 7648 from: 1 to: 31 1 match found in sequence: aab48803 ; Exendin-4(1-30)Tyr31, SEQ ID NO:14. aab48803 ; Exendin-4(
 (from "seq5ags.pep")
 TOIG of: aab48803 C

AAB48803 standard; peptide; 31 AA

AAB48803;

Exendin-4(1-30)Tyr31, SEQ ID NO:14. 09-MAR-2001 (first entry)

glucagon-like peptide 1; exendin derivative; reactive group; peptidase stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant. Insulinotropic peptide; insulin production; GLP-1 derivative;

Synthetic

WO200069911-A1

23-NOV-2000

WO200069911-A1

Synthetic.

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The invention relates to modified insulinotropic peptides (ITPB), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP 1) or exendin and contain a reactive group such as a maleimido group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a succinimidyl group. The peptides of the invention of insulin. A composition comprising a septide of the invention is useful for treating diabetes, paticularly type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, the treatment of anxiots, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS); to activate the consiolytic effect on the central nervous system (CNS); to activate the consiolytic effect on the central nervous system (CNS); to activate the anxiolytic offect on the central nervous system (CNS); to activate the consiolation to a blood component via the reactive group provides increased stability in the presence of peptidases. The peptides of the invention to a blood component via the reactive group provides increased stability in the presence of peptidases. The peptides of the invention the procedytic degradation. The present sequence represents an insulinotropic peptide of the invention
                                                                                                                                                                                                                                                                                                                                 Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
                                                                                                                                                                                                          Holmes DL,
                                                                                                                                                                                                          L'archeveque B, Ezrin AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 4; Page 90; 96pp; English.
                        17-MAY-2000; 2000WO-US013563.
                                                                           99US-0134406P.
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                                                                                                                                                       (CONJ-) CONJUCHEM INC
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                                                                        17-MAY-1999;
                                                                                                         15-OCT-1999;
                                                                                                                                                                                                       Bridon DP, ]
St Pierre S;
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Leblanc A;

AAB48803 Length: 31 February 4, 2005 13:32 Type: P Check: 7648 Found using 'seq5' (mohamed337.key)

Sequence 31 AA;

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGY

Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidases stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant. 1 match found in sequence: aab48807 ; Exendin-derived insulinotropic peptide, SEQ ID NO:18. Exendin-derived insulinotropic peptide, SEQ ID NO:18. to: 40 check: 2570 from: 1 AAB48807 standard; peptide; 40 AA. 09-MAR-2001 (first entry) (from "seq5ags.pep") TOIG of: aab48807 c AAB48807; BXSXXXXXXXXXXXXXXXX 99US-0159783P.

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15-OCT-1999;
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#X#X##X##X####X
                                                                                                                                                                                                           The present invention describes metabolic intervention with GLP-1 which improves the function of ischaemic and reperfused tissue. The method for amelioration of organ tissue caused by reperfusion of blood flow following a period of ischaemia comprises administering a composition including a compound which binds to a receptor for glucagon-like peptide-1 (GLP-1), in a carrier. Also described are: (1) a method of metabolic intervention with GLP-1 to improve the function of ischaemic and reperfused tissue, the method comprising administering a composition comprising GLP-1 in a carrier, and (2) a composition for use in the metabolic intervention with GLP-1 as above. The method is useful after surgical procedures selected from cardiac surgical procedures, organ transplants, traumatic limb amputation and reattachment, a ischaemic reperfusion event concurrent with gut infarct and myocardial infarct and improves the function of ischaemic and reperfused tissues. The method is devoid of side effects associated with current procedures. Antigenic and improves the representes a Glam monster venom peptide which is homologous to compare the present invention of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidase stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
                                                                                                                                                 Metabolic intervention with GLP-1 improves function of ischemic and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB36434 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                      Disclosure; Page 13; 22pp; English
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             27-APR-2000; 2000WO-US011251.
                                       99US-00302596
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                                                                                            Coolidge TR, Ehlers MRW,
                                                                 (BION-) BIONEBRASKA INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
                                                                                                                      WPI; 2001-040881/05
                                                                                                                                                               reperfused tissue.
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TOIG of: aab48800 o
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                                        30-APR-1999;
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berum a browning to form a scable covatent bond. The limitinforopic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP correction and contain a reactive group such as a maleimide group or a succilimidy! Group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, paticularly crype II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS) to activate the CNS for the treatment of disorders such as depression, memory loss and narcolepsy; and as a treatment for insulin resistance, particularly that contrastic to a blood component via the reactive group provides increased stability in the presence of peptidases. The peptides of the invention to a blood component via the reactive group provides invention therefore have a longer in vivo. half-life as they are less susceptible to protecolytic degradation. The present sequence represents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to modified insulinotropic peptides (ITPs), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic
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                                                                                                                                                                                                                                                                                Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
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                                                                                  Leblanc A;
                                                                                  Holmes DL,
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                                                                                  Ezrin AM,
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aab48801; Exendin-4, SEQ ID NO:12.
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                                                                                  L'archeveque B,
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(CONJ-) CONJUCHEM INC.
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TOIG of: aab48801 c
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                                                                                                                         St Pierre S;
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                                                                                  Bridon DP.
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09-NOV-2000.
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 tissue injury caused by reperfusion of blood flow comprising administering a composition including a compound which binds to a daministering a composition including a compound which binds to a administering a composition including a compound which binds to a creeptor for glucagon-like peptide-1 (GLP-1), in a pharmaceutical carrier. The method is used for matabolism tissue injury caused by reperfusion of blood flow following a period of ischaemia. Growsed by reperfusion of blood flow following a period of ischaemic and reperfused brain cells. It treats patients after an acute stroke or haemorrhage and tissue damage arising from a medical procedure that is an expertused brain calls. It treats printiples or a medical procedure involving a reperfusion event. GLP-1 is an ideal alternative to insulin for the treatment of stroke as it stimulates endogenous insulin secretion to the presence of normo- to hyperglycaemia but not during hypoglycaemia, the presence of normo- to hyperglycaemia but not during hypoglycaemia, the chancing insulin effectiveness by suppressing glucagon and maintains equiporacent sequence represents a Glia monster venom peptide which is the present sequence represents a Glia monster venom peptide which is the present and is given in the exemplification of the present
                                                                                                                                         A method for amelioration of brain tissue injury comprises administering a composition including a compound which binds to a receptor for glucagon -like peptide-1.
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                                                                                                                                                                                                                             The present invention describes a method for the amelioration of brain
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aab36432 ; Gila monster venom exendin 3 peptide SEQ ID NO:7.
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                            99US-00303016.
 01-MAY-2000; 2000WO-US011652
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                                                                                  Coolidge TR, Ehlers MRW;
                                                        (BION-) BIONEBRASKA INC
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TOIG of: aab36432
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                            30-APR-1999;
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The present invention describes metabolic intervention with GLP-1 which improves the function of ischaemic and reperfused tissue. The method for ameliotation of organ tissue caused by reperfusion of blood flow following a period of ischaemic acomprises administering a composition including a compound which binds to a receptor for glucagon-like peptide-I (GLP-1), in a carrier. Also described are: (1) a method of metabolic intervention with GLP-1 to improve the function of ischaemic and reperfused tissue, the method comprising administering a composition comprising GLP-1 in a carrier; and (2) a composition for use in the metabolic intervention with GLP-1 as above. The method is useful after surgical procedures selected from cardiac surgical procedures, organ transplants, traumatic limb amputation and reattachment, a ischaemic reperfusion event concurrent with gut infarct and myocardial infarct and improves the function of ischaemic and reperfused tissues. The method is devoid of side effects associated with current procedures. Antigenic and immune stimulating properties are not adversely affected. The present sequence represente a given in the exemplification of the present invention
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aab36434 ; Gila monster venom exendin 4 peptide SEQ ID NO:9.
(from "seq5ags.pep")
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27-APR-2000; 2000WO-US011251
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Modified-Bite
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                                                                              30-APR-1999;
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The present invention describes a method for the amelioration of brain tissue injury caused by reperfusion of blood flow comprising administering a composition including a compound which binds to a receptor for glucagon-like peptide-1 (GIP-1), in a pharmaceutical carrier. The method is used for amelioration of brain tissue injury is used for metabolic intervention to improve the function of ischaemia. GLP-1 is used for metabolic intervention to improve the function of ischaemic and reperfused brain calls. It treats patients after an acute stroke or haemorrhage and tissue damage arising from a medical procedure that is a surgical event causing ischaemia of brain tissue or a medical procedure involving a reportuation event. GLP-1 is an ideal alternative to insulin for the treatment of stroke as it stimulates endogenous insulin secretion
                                                                                                                      A method for amelioration of brain tissue injury comprises administering a composition including a compound which binds to a receptor for glucagon-like peptide-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        in the presence of normo- to hyperglycaemia but not during hypoglycaemia, thus protecting against the development of severe hypoglycaemia. The treatment optimises insulin secretion, increases brain anabolism, enhancing insulin effectiveness by suppressing glucagon and maintains euglycaemia or mild hypoglycaemia with no risk of severe hypoglycaemia. The present sequence represents a Gila monster venom peptide which is homologous to GLP-1, and is given in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Glucagon-like peptide-1; GLP-1; GLP-2; vasotropic; cerebroprotective; brain tissue injury; reperfusion; blood flow; ischaemia; acute stroke; metabolic intervention; haemorrhage; tissue damage; medical procedure; surgical; insulin; hyperglycaemia; hypoglycaemia; brain anabolism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 . match found in sequence:
aab36421 ; Gila monster venom exendin 4 peptide SEQ ID NO:9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB36419 Length: 39 February 4, 2005 13:32 Type: P
ound using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HSDGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
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39
                                                                                                                                                                                                     Disclosure; Page 8; 19pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB36421 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-FEB-2001 (first entry)
                                                     Ehlers MRW;
                 (BION-) BIONEBRASKA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma suspectum
                                                                                      WPI; 2001-015911/02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq5ags.pep")
TOIG of: aab36421 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200066142-A2
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Found using 'seq5'
                                                     TR,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-NOV-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB36421;
                                                     Coolidge
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Glucagon-like peptide-1, GLP-1, GLP-2, vasotropic, cerebroprotective; brain tissue injury; reperfusion; blood flow; ischaemia; acute stroke; metabolic intervention; hamomorthage; tissue damage; medial procedure; surgical; insulin; hyperglycaemia; hypoglycaemia; brain anabolism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11313 Length: 39 February 4, 2005 13:32 Type: P Check: 7001 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . match found in sequence:
aab36419 ; Gila monstex venom exendin 3 peptide SEQ ID NO:7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gila monster venom exendin 3 peptide SEQ ID NO:7.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGASSGAAAAS
                                                                                                                                                                                                                                         Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from: 1
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                                                                                                                                                                                                                                                                                                                                                                        Example 44; Fig 15; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB36419 standard; peptide; 39 AA
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                                                                                                             14-JAN-2000; 2000WO-US000902
                                                                                                                                                 99US-0116380P
                                                                                                                                                                 10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                         L'italien JJ,
                                                                                                                                                                                                                                                                            WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq5ags.pep"
TOIG of: aab36419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA;
                                    WO200041546-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200066142-A2
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                                                                                                                                                 14-JAN-1999;
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                                                                        20-JUL-2000
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 Synthetic
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                                                                                                                                                                                                                                         Young A,
                                                                                                                                                                                                                                                                                                                  New
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Check: 9591

to: 39

match found in sequence:

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activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel formulation (I) comprising an exendin oxexendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                             Check: 9131
                                                                                                                                             Length: 39 February 4, 2005 13:32 Type: P 9 'seg5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                        to: 39
                                                                                                                                                                                                                                                                                 match found in sequence:
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 42; Fig 15; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                           AAB11311 standard; peptide; 39 AA.
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10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                        check: 7440
                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                      (from "seq5ags.pep"
TOIG of: aab11311
                                                                                                          Sequence 39 AA;
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Found using 'seq5'
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                                                                                                                                                                                                                                                                                                                                                                                                            AAB11311;
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   88888888
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Check: 7440

Type: P

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGASSGAAAAS

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which have plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                  Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11312; exendin agonist peptide SEQ ID NO 38.
(from "seq5ags.pep")
TOIG of: aab11312 check: 7905 from: 1 to: 39
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aabl1313; exendin agonist peptide SEQ ID NO 39.
(from "seq5ags.pep")
TOIG of: aabl1313 check: 7001 from: 1 to: 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman O;
                                                                                                                                                                      exendin agonist peptide SEQ ID NO 38
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                                                                    AAB11312 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                        14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
                                                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 39 AA;
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                                                                                                                                                                                                                                                    Synthetic
                                                                                                   AAB11312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A,
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aab11310 ; exendin agonist peptide SEQ ID NO 36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11309 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                      Kolterman 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         from: 1
                                                                                                                                                                                                                                         Example 40; Fig 15; 281pp; English.
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10-JAN-2000; 2000US-0175365P.
10-JAN-2000; 2000US-0175365P
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                                            (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                 or reducing food intake
                                                                                      L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
                                                                                                                                WPI; 2000-514584/46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq5ags.pep"
TOIG of: aab11310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39 AA;
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                                                                                        Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                      Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose; gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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   aabl1309 ; exendin agonist peptide SEQ ID NO 35.
   (from "seq5ags.pep")
   TOIG of: aabl1309 check: 9131 from: 1 to: 39
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                            exendin agonist peptide SEQ ID NO 34.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 39; Fig 15; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Kolterman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  39 AA
                                                                                                                                                                                                                                                                                                                           14-JAN-1999; 99US-0116380P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard; peptide;
    (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                    L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-514584/46
                                                                                                                                                                                                 WO200041546-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200041546-A2
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    20-FEB-2001
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                                                                                                                                                         Synthetic
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Young A,

AAB11309

AAB11309

BX FX BX BX SX FX FX BX FX BX

Found using 'seq5' (mohamed337.key)

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes, plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                       aab11306 ; exendin agonist peptide SEQ ID NO 32.
                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSCAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            from: 1
                                       Example 36; Fig 15; 281pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11306 standard; peptide; 39 AA
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (from "seq5ags.pep"
TOIG of: aab11306
                                                                                                                                                                                                                                              Sequence 39 AA;
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£X8XXXXXXXXXXXXXXXXXXXX
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AAB11306 Length: 39 February 4, 2005 13:32 Type: P Check: 9570

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                  Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Type: P Check: 9570
                                                                                                                                                                                                                                                                                                                                     plasma glucose; gastric emptying; food intake,
                                                                                                                                    to: 39
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                                                                               . match found in sequence:
aabl1307; exendin agonist peptide SEQ ID NO 33.
(from "seq5ags.pep")
TOIG of: aabl1307 check: 9570 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . match found in sequence:
aabili308; exendin agonist peptide SEQ ID NO 34.
(ffrom "seq5ags.pep!
TOIG of: aabili308 check: 9570 from: 1 to: 39
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
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Synthetic.

Young A,

AAB11303;

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used
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                                                                                                                                                                                                                                                                                                                                                                  Example 35; Fig 15; 281pp; English.
                                                                                                                                                                                                                         Kolterman
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                                                                                 14-JAN-2000; 2000WO-US000902
                                                                                                                       14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                         L'italien JJ,
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WO200041546-A2
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TOIG of: aab11305
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                                                                                                                                                                                                                         Young A,
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    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                       Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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aabl1304 ; exendin agonist peptide SEQ ID NO 30.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB11303 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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HGEGTFTSDLSKQMEEBAVRLFIDWLKNGGPSSGAPPPS
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                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 30.
                       from: 1
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                                                            AAB11303 standard; peptide; 39 AA
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                    check: 9546
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(from "seq5ags.pep")
TOIG of: aab11303 c
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Synthetic

AAB11304;

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                       Type: P Check: 9915
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aabl1303 ; exendin agonist peptide SEQ ID NO 29.
                                                                                                                                                                                                                                                                                                                                                28
                                                                                                                                          39 February 4, 2005 13:32 (mohamed337.key)
                                                                                                                                                                                                                                HGEGTFTSDLSKOMBEBAVRLFXEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                           aabl1302 ; exendin agonist peptide SEQ ID NO
  (from "seq5ags.pep")
TOIG of: aabl1302 check: 9476 from: 1 to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 33; Fig 15; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB11302 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JAN-2000; 2000WO-US000902
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   or reducing food intake
                                                                                                                                                                                                                                                                                                                          found in sequence:
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                                                                                                                                          AAB11301 Length: 39
                                                                                            Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200041546-A2
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                                                                                                                                                                  Found using 'seq5'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11302;
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                                                                                                                                                                                                                                                                                                                          match
                                                                                                                                                                                                                                                                                                                                                                                                                                             8X3333
                                                                                                                                                                                                                                                This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            formulations comprising an exendin or exendin agonist peptide.used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence: aabil301; exendin agonist peptide SEQ ID NO 27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11300 Length: 39 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from: 1
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                                                    Kolterman
                                                                                                                                                                                                             Example 31; Fig 15; 281pp; English.
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       (AMYL-) AMYLIN PHARM INC.
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                                                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   L'italien JJ,
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                                                                                            WPI; 2000-514584/46
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of: aab11301 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pound using 'seq5'
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                                                  Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                       Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes
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                                                         plasma glucose; gastric emptying; food intake
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t
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                                                                                                                                                                                                                                                                                                                                                         ö
exendin agonist peptide SEQ ID NO 25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 26.
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                                                                                                                                                                                                                                                                                                                                                           Kolterman
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11299 Length: 39 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                 14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                                        14-JAN-1999; 99US-0116380P.
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                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                         L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or reducing food intake
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TOIG of: aab11300
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                                                                                                Synthetic
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                                                                                                                                                                                                                                                                                                                                                           Young A,
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                       Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       peptide used
treat diabetes.
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aabl11299; exendin agonist peptide SEQ ID NO 25.
(from "seq5ags.pep")
TOIG of: aabl11299 check: 9869 from: 1 to: 39
                                                                                                                   23
            HGEGTFTSDLSKQGEEEAVRLFIEWLKNGGPSSGAPPPS
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Found using 'seq5' (mohamed337.key)
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HGEGTFTSDLSKQGEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                          match found in sequence:
aabl1297; exendin agonist peptide SEQ ID NO
[Erom "seq5ags.pep"]
TOIG of: aabl1297 check: 9061 from: 1 to:
                                                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 23.
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                                                                                                                                                                                               AAB11297 standard; peptide; 39 AA.
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SAXXXX

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Example 26; Fig 15; 281pp; English.
                                                                                                                                                                                                                                                                                      AAB11296 standard; peptide; 39
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                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  food intake
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                                                                                                                      Sequence 39 AA;
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                                                                                                                                                       Found using 'seq5'
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                                                                                                                                            AAB11295
 8x88888888888x8
                                                                                                                                                                                                                                                                                       This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   n; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; glucose; gastric emptying; food intake.
                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                              HGEGTFTSDGSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                     aab11295 ; exendin agonist peptide SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman O;
                                                                                                Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 21.
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                                                                                                                                                                          Example 25; Fig 15; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11295 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                     AAB11294 Length: 39 February 4, Found using 'seq5' (mohamed337.key)
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10-JAN-2000; 2000US-0175365P.
                     14-JAN-2000; 2000WO-US000902
                                          14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                          (AMYL-) AMYLIN PHARM INC
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                                                                                                L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 L'italien JJ,
                                                                                                                                                                                                                                                                          or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
                                                                                                                    WPI; 2000-514584/46
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                                                                                                                                                                                                                                                                                                Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                               n "seq5ags.pep"
of: aab11295
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20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB11295
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which have plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type: P Check: 9081
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |-----HGEGTFTSDGSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length: 39 February 4, 2005 13:32
g 'seq5' (mohamed337.key)
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aabl11296 ; exendin agonist peptide SEQ ID NO
(from "seq5ags.pep")
(TOIG of: aabl1296 check: 9486 from: 1 to:
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(first entry)

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Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                  formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                 exendin agonist peptide SEQ ID NO 19.
                                                                                                                                                                                                                                                                                                                                                                                                                             Example 24; Fig 15; 281pp; English.
  AAB11293 standard; peptide; 39 AA.
                                                                                                                                                                                                                                    14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                              14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-514584/46.
                                                                                                                                                                                 WO200041546-A2.
                                                         20-FEB-2001
                                                                                                                                                                                                             20-JUL-2000.
                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                     Young A,
                              AAB11293;
                                                                                                                                                                                                                                                                                                                                                                                           New
     This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the wensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                               AAB11291 Length: 39 February 4, 2005 13:32 Type: P Check: 9571 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                    to: 39
                                                                                                                                                               . match found in sequence:
aabl11292; exendin agonist peptide SEQ ID NO 18.
(from "seq5ags.pep")
TOIG of: aabl1292 check: 9578 from: 1 to: 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFTTDLSKOMEEEAVRLF1EWLKNGGPSSGAPPPS
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HGEGTFSTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 23; Fig 15; 281pp; English.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  L'italien JJ,
food intake
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                          Sequence 39 AA;
                                                                                                                                                                                                                                                                                       20-FEB-2001
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or reducing
                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                             AAB11292;
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                                                                                                                                                                1 match
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Kolterman O;

L'italien JJ,

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the wensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                               AAB11293 Length: 39 February 4, 2005 13:32 Type: P Check: 9579 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aab11294; exendin agonist peptide SEQ ID NO 20. (from "seq5ags.pep")
TOIG of: aab11294 check: 9520 from: 1 to: 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11294 standard; peptide; 39
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                                                                                                                                                                                                                               Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11294;
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1 match found in sequence:
 aabl1293 ; exendin agonist peptide SEQ ID NO 19.
 (from "seq5ags.pep")
 TOIG of: aabl1293 check: 9579 from: 1 to: 39

to: 39

Fri Feb

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Kolterman
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L'italien JJ,
                                                                                                                                                                                                                                                                                    match found in sequence:
                     WPI; 2000-514584/46.
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                                                                                                                                                                                  Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
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  Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young A,
                                          New
                                                  for
  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes
                                                                                                                                                                                                                                                                                                                                                                   Check: 9678
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ig 'seg5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                           aab11290 ; exendin agonist peptide SEQ ID NO 16
                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTXTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                              Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from: 1
                                                                                                                                                                                                                                  Example 20; Fig 15; 281pp; English
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                                                                                         14-JAN-2000; 2000WO-US000902
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                                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                              L'italien JJ,
                                                                                                                                                                                                                                                                                                                             or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                match found in sequence:
                                                                                                                                                                                  WPI; 2000-514584/46
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TOIG of: aab11290
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                                                                      20-JUL-2000
                               Synthetic
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                                                                                                                                                               Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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(from "seq5ags.pep")
TOIG of: aab11291 check: 9571 from: 1 to: 39
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HGEGTFSSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                        Example 21; Fig 15; 281pp; English.
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10-JAN-2000; 2000US-0175365P
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Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.

Synthetic.

exendin agonist peptide SEQ ID NO 14.

(first entry)

20-FEB-2001

AAB11288;

to: 39

found in sequence: 18 ; exendin agonist peptide SEQ ID NO 14.

aab11288 ; match

28

(from "seq5ags.pep") TOIG of: aab11288 check: 9567 from: 1

AAB11288 standard, peptide, 39 AA

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                 YGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                          ; exendin agonist peptide SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin agonist peptide SEQ ID NO 13.
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                                                                                                                                                                                                                                                                                                                                                                                                            check: 9804 from: 1
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                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
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of: aab11287
                                                                                                                                                                       Sequence 39 AA;
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11289 ; exendin agonist peptide SEQ ID NO 15.
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HGDGTFTSDLSKQMEERAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                           Kolterman O;
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Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                         14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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TOIG of: aab11289
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AAB11287 Length: 39 February 4, 2005 13:32 Type: P Check: 9804 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEERAVRLFIEWLKNGGPSSGAPPPY

20-FEB-2001

AAB11284;

20-JUL-2000

Young A,

Synthetic

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                   formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11286; exendin agonist peptide SEQ ID NO 12.
(from "seq5ags.pep")
TOIG of: aab11286 check: 9587 from: 1 to: 39
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HGEGTFTSDLSKQMEEEAVRLFIEFLKNGGPSSGAPPPS
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14-JAN-2000; 2000WO-US000902.
                                        14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
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X8X44X8X8X8X8X8X8X8X8X8X8X8X8X8X8X
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                                                                                                                                                Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
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                                                                                                                                                                       plasma glucose, gastric emptying, food intake
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aab11285 ; exendin agonist peptide SEQ ID
                                                                                                        exendin agonist peptide SEQ ID NO 10.
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TOIG of: aab11285 (
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20-FEB-2001

20-JUL-2000

Synthetic

XBXBXBXBXGXGX

Fri Feb

WPI; 2000-514584/46.

Sequence 39 AA;

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                  formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
abili281, H. horridum exendin 3 peptide SEQ ID NO
(from "seq5ags.pep")
TOIG Of: aabili281 check: 9591 from: 1 to: 39
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                                                                                                                                                                                                                                                                                                                             39 February 4, 2005 13:32 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                  AGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                        Example 197; Page 242; 281pp; English
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pil of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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   Check: 9591
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y 'seq5' (mohamed337.key)
 39 February 4, 2005 13:32 Type: P (mohamed337.key)
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                                                                                                                              match found in sequence:
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                                                                                                                                                                                                                                                                                                            H. suspectum exendin 4 peptide SEQ ID NO 2.
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aab11284 ; exendin agonist peptide SEQ ID NO 10.
                                                    |------HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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 AAB11281 Length: 39
Found using 'seq5' (mc
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TOIG of: aab11282 c
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TOIG of: aab11284
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AAB11281
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Young A, L'italien JJ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-JUL-2000
                                                     20-JUL-2000
           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11280;
                                                                                                                                                   Young A,
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-compolative modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensetivity of a subject to insulful to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                              Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Check: 4862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11278 Length: 30 February 4, 2005 13:32 Type: P ound using 'seq5' (mohamed337.key)
                   agonist peptide SEQ ID NO 186
                                         to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aab11279 ; exendin agonist peptide SEQ ID NO 187
                                                                                                                                                                                                                                                                                                                                                                                                       Example 195; Page 240; 281pp; English.
                                                                                                                             exendin agonist peptide SEQ ID NO 186.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin agonist peptide SEQ ID NO 187
                                                                                                                                                                                                                                                                                                                            Kolterman O;
                                         TOIG of: aabi1278 .check: 4862 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB11279 standard; peptide; 39 AA
                                                              30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGDATFTSDLSKQMEERAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                       14-JAN-1999; 99US-0116380P.
                                                                                                                                                                                                                                                 14-JAN-2000; 2000WO-US000902
                                                               AAB11278 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   check: 9563
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                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                            L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      or reducing food intake
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          found in sequence:
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                     ıbl1278 ; exendin ag
(from "seq5ags.pep")
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FOIG of: aab11279
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                                                                                                                                                                                   Synthetic.
                                                                                   AAB11278;
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                      aab11278
          match
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes
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(from "seq5ags.pep")
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AGEGTFTSDLSKQMEEBAVRLPIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 196; Page 241; 281pp; English.
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14-JAN-2000; 2000WO-US000902.
                                                                     14-JAN-1999; 99US-0116380P.
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                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                          L'italien JJ,
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AAB11277 standard; peptide; 35
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-514584/46.
                                                                                      Sequence 36 AA;
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                                                                                                                          Found using 'seq5'
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                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                 AAB11277;
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                                                                                                            AAB11276
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                                                                                                            formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
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                                                                                                                                                                                                                                                                                                            Type: P Check: 4098
                                                                                                                                                                                                                                                                                                                                                                                                        . match found in sequence: aabl1276; exembling agonist peptide SEQ ID NO 184. (from "seq589.pep") TOIG of: aabl1276 check: 326 from: 1 to: 36
                                                                                                                                                                                                                                                                                                          AAB11275 Length: 37 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSALSKOMEERAVRLFIEWLKNGGXSSGAXX
                                                                                                                                             Example 192; Page 238; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 184.
                                                             Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 193; Page 239; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11276 standard; peptide; 36 AA
14-JAN-1999; 99US-0116380P.
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                                   (AMYL-) AMYLIN PHARM INC
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                                                            L'italien JJ,
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                                                                                    WPI; 2000-514584/46
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                                                                                                           formulations
                                                                                                                                                                                                                                                                                   Sequence 37 AA;
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                                                             Young A,
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has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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aab11277; exemdin agonist peptide SEQ ID NO 185.
(from "seq5ags.pep")
TOIG of: aab11277 check: 7441 from: 1 to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
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HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
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AAB11272

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                     Exendin, agoniet, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
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(from "seq5ags.pep")
TOIG of: aab11275 check: 4098 from: 1 to: 37
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                                                                exendin agonist peptide SEQ ID NO 182,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 183.
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                                                                                                                                                                                                                                                                                                     14-JAN-2000; 2000WO-US000902.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-514584/46.
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Found using 'seq5'
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                        20-FEB-2001
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                                                                                                                                                                       Synthetic.
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    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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Length: 29 February 4, 2005 13:32 Type: P Check: 2313 3 'seq5' (mohamed337.key)
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                                                                                                                                                               match found in sequence:
aab11273 ; exendin agonist peptide SEQ ID NO 181.
(from "seq5ags.pep")
TOIG of: aab11273 check: 6321 from: 1 to: 38
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(from "seq5ags.pep")
TOIG of: aab11274 check: 6309 from: 1 to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGAGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 190; Page 236; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman O;
                                                                                                                                                                                                                                                                               38 AA
                                                     |-----AGEGTFTSDLSKQLEEEAVRLFIEFLKNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                                                               AAB11273 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200041546-A2
                   Found using 'seq5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Found using 'seq5'
                                                                                                                                                                                                                                                                                                                                                                 20-FEB-2001
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20-JUL-2000

Young A,

Synthetic

14-JAN-2000; 2000WO-US000902

AAB11274 standard; peptide; 38 AA

AAB11273

AAB11274;

SXX

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide used it to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                      Type: P Check: 4423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        of a subject
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aab11272 ; exendin agonist peptide SEQ ID NO 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        t0:
                                                                                                                                                                                                                                                                                                                                        2005 13:32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     formulations comprising an exendin increasing the sensitivity of a sub
                                                                 Example 188; Page 235; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 180.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 189; Page 236; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      check: 2313 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11272 standard; peptide; 29 AA
                                                                                                                                                                                                                                                                                                                                                                                                       |------|
HGEGTFTSALSKQLEEEAVRLFIEFLKNGG
                                                                                                                                                                                                                                                                                                                                          1271 Length: 30 February 4, using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99US-0116380P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                       or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq5ags.pep")
TOIG of: aab11272
                                                                                                                                                                                                                                                                                                 Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ź
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-JUL-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB11272;
                                                                                                                                                                                                                                                                                                                                      AAB11271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New
                                                                                                                                                                                                                                                                                                                                                                Found
      ##X%X00000000X%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                          comprising an exendin or exendin agonist peptide used ne sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              February 4, 2005 13:32 Type: P Check: 7345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            aab11271; exendin agonist peptide SEQ ID NO 179. (from "seq5ags.pep")
TOIG of: aab11271 check: 4423 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                       Example 187; Page 234; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 179.
                                                                                                                                                                                                                                                            Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEATFISDLSKQMEEEAVRLFIEWLKNGGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30 AA
                                                                                                                                                                                                                                                                                                                                                                for increasing the sensitivity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    using 'seq5' (mohamed337.key
                                                                                                              14-JAN-2000; 2000WO-US000902
                                                                                                                                                        14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99US-0116380P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2000, 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11271 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                       L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                 WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                          formulations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB11270 Length: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200041546-A2
                            WO200041546-A2
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                                                                     20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                            Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11271;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               found A,
                                                                                                                                                                                                                                                                                                                                            New
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8888888

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistitity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                        Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         aabl1270; exendin agonist peptide SEQ ID NO 178. (from "seqSags.pep")
TOIG of: aabl1270 check: 7345 from: 1 to: 31
    aab11269 ; exendin agonist peptide SEQ ID NO 177.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB11269 Length: 32 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 177.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 178.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 186; Page 233; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGAGTPTSDLSKOLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11270 standard; peptide; 31 AA.
                                                                                          AAB11269 standard; peptide; 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
                                               check: 9574
                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2000-514584/46.
                            (from "seq5ags.pep"
TOIG of: aab11269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 32 AA;
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                                                                                                                                                                                     20-FEB-2001
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                                                                                                                                                                                                                                                                                                                                               Synthetic.
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                                                                                                                                       AAB11269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New
                                                                                               SXXXXXXXXXXXXXX
sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                          AAB11267 Length: 33 February 4, 2005 13:32 Type: P Check: 3230 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Check: 18
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Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aab11268 ; exendin agonist peptide SEQ ID NO 176.
                                                                                                                                                                                                                                                                                                                                                                                                                to: 32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO 176.
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                                                                                                                                                                                                                                  |-----|
| HGEGTFTSALSKQMEBEAVRLFIEWLKNXGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11268 standard; peptide; 32 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JAN-1999; 99US-0116380P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-FEB-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                          (from "seq5ags.pep")
TOIG of: aab11268 o
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                                                                                                               Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200041546-A2
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20-JUL-2000

Young A,

Synthetic

Type: P Check: 9574

Synthetic

1 match found in sequence:

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AAB11267;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New 1
                                                                                                                                                                                                                                                                                                                                                                     This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                            Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                     New formulations comprising an exendin or exendin agonist peptide used for increaging the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                     Type: P Check: 7002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . match found in sequence:
aabl1266; exendin agonist peptide SEQ ID NO 174.
(from "seq5ags.pep")
TOIG of: aabl1266 check: 5154 from: 1 to: 34
                                                                                                                                                                                                                                                                                                                                                                                                    AAB11265 Length: 35 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                   Example 182; Page 230; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 174.
          exendin agonist peptide SEQ ID NO 173.
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HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
                                                                                                                                                                                                Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       34 AA
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                        14-JAN-2000; 2000WO-US000902
                                                                                                                                           14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB11266 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-FEB-2001. (first entry)
                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                              L'italien JJ,
                                                                                                                                                                                                                  WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                 Sequence 35 AA;
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                                                                                WO200041546-A2
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                                                                                                    20-JUL-2000
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                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB11266;
                                                                                                                                                                                                Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the
                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                      Example 183; Page 231; 281pp; English.
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                                                                  Young A, L'italien JJ, Kolterman O;
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| HGEATFTSDLSKQMEEEAVRLFIEWLKNGGPSSG
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(AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
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                                                                                                                                            WPI; 2000-514584/46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 34 AA;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aabl1263; exendin agonist peptide SEQ ID NO 171.
(from "seq5ags.pep")
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                                                                                                                                                                                                                                                                                                                              HGEGTPTSALSKOMBEEAVRLPIEWLKNGGPSSGAP
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Example 179; Page 228; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 171
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-514584/46
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AAB11263 Length: 36 Pebruary 4, 2005 13:32 Type: P Check: 9777 Found using 'seq5' (mohamed337.key)

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                       aab11264 ; exendin agonist peptide SEQ ID NO 172. (from "seqSags.pep")
TOIG of: aab11264 check: 7446 from: 1 to: 35
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AGEGTPTSDASKQLEEEAVRLPIEFLKNGGPSSGAP
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                            match found in sequence:
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(from "seq5ags.pep")
TOIG of: aab11265 c
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Synthetic.

Young A,

AAB11260;

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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TOIG of: aab11262 check: 306 from: 1 to: 36
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                        L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
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                                                                                                                                                                                                                                               WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-JAN-1999;
                   20-JUL-2000.
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                                                                                                                                                                                                          Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                          insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                          Exendin, agoniet, treatment, antidiabetic, in:
plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
aabl1261 ; exendin agonist peptide SEQ ID NO 169.
(from "seq5ags.pep")
TOIG Of: aabl1261 check: 3269 from: 1 to: 37
    to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 177; Page 226-227; 281pp; English
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HGAGTFTSDLSKQLEEEAVRLFIBFLKNGGPSSGAPPP
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                                                                                                                                                                   exendin agonist peptide SEQ ID NO 168
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    from: 1
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                                           AAB11260 standard; peptide; 38
                                                                                                                                                                                                                                                                                                                                                                                                 14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P
    check: 5882
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                                                                                                                              (first entry)
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    TOIG of: aab11260
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                                                                                                                              20-FEB-2001
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Synthetic

AAB11261;

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin or exendin is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                              Type: P
                                                                                                                                                                                                                                                                                                                                                          aab11259 ; exendin agonist peptide SEQ ID NO 167.
(from "seq5ags.pep")
TOIG of: aab11259 check: 6326 from: 1 to: 38
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aab11260 ; exendin agonist peptide SEQ ID NO 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB11259 Length: 38 Pebruary 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
                                                                                                                              2005 13:32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 167.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11259 standard; peptide; 38 AA
                                                                                                                                                                                                                              AGDGTFTSDLSKQLEBEAVRLFIEFLKA
                                                                                                                              AAB11258 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                match found in sequence:
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                                                                            Sequence 28 AA;
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                                                                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aabl1258; exemidin agonist peptide SEQ ID NO 166.
(from seeq5ags.pep")
TOIG of: aabl1258 check: 9887 from: 1 to: 28
                                                                                                                                                                                                         Example 174; Page 224; 281pp; English.
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                             Kolterman
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10-JAN-2000; 2000US-0175365P
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                             L'italien JJ,
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                                                                            WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 28 AA;
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                               Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
            Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes;
plasma glucose; gastric emptying; food intake.
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Found using 'seq5' (mohamed337.key)
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abblil257, exendin agonist peptide SEQ ID NO 165.
(from "seq5ags.pep")
TOIG of: aabl1257 check: 326 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 173; Page 223; 281pp; English.
                                                                                                                                                                                                                                                                                                                                          Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Z
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10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                   Young A,
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                                                                                                          SEQ ID NO 163
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                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kolterman 0;
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AGDGTFTSDLSKQLEEEAVRLFIEFAKN
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                                                                                    . match found in sequence:
aabl1255; exendin agonist peptide
(from "seq5ags.pep")
TOIG of: aabl1255 check: 420 fro
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TOIG of: aab11256
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Young A,

for

Synthetic

AAB11255;

1 match

(AMYL-) AMYLIN PHARM INC.

exendin agonist peptide SEQ ID NO 164.

(first entry)

20-FEB-2001

SXHXB

AAB11256;

seq5_ags.res

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                              Type: P Check: 404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        aab11254; exendin agonist peptide SEQ ID NO 162.
(from "seq5ags.pep")
TOIG of: aab11254 check: 9965 from: 1 to: 28
                                                                                                                                                                                                                                                                              AAB11253 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 162.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 171; Page 222; 281pp; English.
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                                                                                                                                                                                                                                                                                                                                                                        AGDGTFTSDLSKQMEEEAVRLFIEWAKN
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                                                                                                                                                                                    or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
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                                                                                                                                                                                                                                  Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                  Example 169; Page 220; 281pp; English.
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                                                                                                                                                                                    Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AGDGTFTSDLSKQLEEEAVRLFIEALKN
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                                                               14-JAN-1999; 99US-0116380P.
                   14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                   (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                 L'italien JJ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
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Found using 'seq5' (mc
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of: aab11253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young A,
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Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                        Example 168; Page 220; 281pp; English.
                                                                            exendin agonist peptide SEQ ID NO 159
                                                                                                                                                                                                                                                                                                              Young A, L'italien JJ, Kolterman O;
AAB11251 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                14-JAN-1999; 99US-0116380P.
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                                                    (first entry)
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                           AAB11251;
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 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                              Exendin, agonist, treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                        Check:
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                                       AAB11249 Length: 28 February 4, 2005 13:32 Type: P ound using 'seq5' (mohamed337.key)
                                                                                                                                             1 match found in sequence:
appl1250; exendin agonist peptide SEQ ID NO 158.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         February 4, 2005 13:32
                                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 158.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 167; Page 219; 281pp; English.
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                                                                                                                                                                                                             AAB11250 standard; peptide; 28 AA
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AGDGTFTSDLSKQMEEEAVRLFIDWLKN
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TOIG of: aab11250
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                 Sequence 28 AA;
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                                                       Found using 'seq5'
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                           Type: P Check: 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aabl1252; exendin agonist peptide SEQ ID NO 160.
(from "seq5ags.pep")
TOIG of: aabl1252 check: 126 from: 1 to: 28
                                                                                                                                                                                                                                                                           February 4, 2005 13:32
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AGDGTFTSDLSKQMEEEAVRLFIEALKN
1
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1 match found in sequence:
abbliss; exendin agonist peptide SEQ ID NO 159.
(from "seqsags.pep)
TOIG of: aabll251 check: 140 from: 1 to: 28

4 14:12:17 2005

Fri Feb

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exendin agonist peptide SEQ ID NO 157.
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                                                                  Example 165; Page 217; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A, L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                  AAB11249 standard; peptide; 28
                                                                                                                                                                                                                                                   AGDGTFTSDLSKQLEBEAVRLFGEFLKN
1
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                    or reducing food intake
           WPI; 2000-514584/46.
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                                                                                                                                                                                            Sequence 28 AA;
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 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         . match found in sequence:
aabl1248; exemdin agonist peptide SEQ ID NO 156.
(from "seq5ags.pep")
TOIG of: aabl1248 check: 205 from: 1 to: 28
                                                                                                                                                                                                                                                 Example 164; Page 217; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exendin agonist peptide SEQ ID NO 156.
                                                                                                                                                                      Kolterman 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB11248 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                             AGDGTFTSDLSKQMEEEAVRLFGEWLKN
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10-JAN-2000; 2000US-0175365P.
                                                                                       14-JAN-2000; 2000WO-US000902
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                                                                                                                                              (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                   L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                      reducing food intake
                                                                                                                                                                                           WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                           WO200041546-A2
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                      Synthetic
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                                                                                                                                                                      Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the enshitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aabl1249; exemidin agonist peptide SEQ ID NO 157.
(from "seq5ags.pep")
TOIG of: aabl1249 check: 666 from: 1 to: 28
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ID NO 154 to: 28

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
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                                                                                                                                                                                                                                                                                                                                                                                           plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                        exendin agonist peptide SEQ ID NO 154
                                                 . match found in sequence:
aab11246 ; exendin agonist peptide SEQ
(from "seq5ags.pep")
TOIG of: aab11246 check: 550 from: 1
                                                                                                                                                                            AAB11246 standard; peptide; 28
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                           (first entry)
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TOIG of: aab11247
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                                                                                                                                                                                                                           AAB11246;
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                                                                                                                                                                                                                                                                                                                                                                       Exendin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Found using
                                                                                                                                                                              This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modiffer which has a pH of 3-7. The products of the invention have antidiabetic sensitivity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                  AAB11244 Length: 28 February 4, 2005 13:32 Type: P Check: 141
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence: aab11245 ; exendin agonist peptide SEQ ID NO 153
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq5ags.pep")
TOIG of: aab11245
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                                                                                                                                                                                                          Sequence 28 AA;
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Kolterman O;

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Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
AAB11246 Length: 28 February 4, 2005 13:32 Type: P Check: 550 ound using 'seq5' (mohamed337.key)
                                                                                                                                                             ; exendin agonist peptide SEQ ID NO 155.
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                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 155.
                                                                                                                                                                                                    check: 644 from: 1
                                                                                                                                                                                                                                      AAB11247 standard; peptide; 28 AA
                                                                       AGDGTFTSDLSKQLEEEAVRLFVEFLKN
1
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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aabil244; exemdin agonist peptide SEQ ID NO 152.
(from "seq5ags.pep")
TOIG of: aabil244 check: 141 from: 1 to: 28
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                                                                                                                          Kolterman 0;
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10-JAN-2000; 2000US-0175365P.
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             14-JAN-1999; 99US-0116380P.
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                                                                                (AMYL-) AMYLIN PHARM INC.
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                                                                                                                        L'italien JJ,
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                                                                                                                                                                WPI; 2000-514584/46.
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                                                                                                               Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                exendin agonist peptide SEQ ID NO 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman O;
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10-JAN-2000; 2000US-0175365P.
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AAB11242;
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seq5 ags.res

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       aab11240 ; exendin agonist peptide SEQ ID NO 148
                                                                                                                                                                                                                                                                                                                AAB11239 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                       Example 156; Page 210; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin agonist peptide SEQ ID NO 148.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11240 standard; peptide; 28 AA
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                                                                                                                                                                                                                                            or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
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                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq5ags.pep"
TOIG of: aab11240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11240,
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Kolterman O;

Sequence 28 AA

to: 28

from: 1

Check: 350

Type: P

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 9911
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 Type: P
                                                                                                                                                           aab11241 ; exendin agonist peptide SEQ ID NO 149.
(from "seq5ags.pep")
TOIG of: aab11241 check: 459 from: 1 to: 28
AAB11240 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 149.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aab11242; exendin agonist peptide SEQ
(from "seq5ags.pep")
TOIG of: aab11242 check: 20 from: 1
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                                                                     AGDGTFTSDLSKQLEEEAVALFIEFLKN
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
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14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                            or reducing food intake
                                                                                                                                                                          WPI; 2000-514584/46.
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                         WO200041546-A2
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   Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB11239;
 This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
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                                                                                                                                                                                                                                                                                                                                                                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length: 28 February 4, 2005 13:32 Type: P Check: 291 g 'seq5' (mohamed337.key)
match found in sequence:
ab11237; exendin agonist peptide SEQ ID NO 145.
(from "seq5ags.pep")
TOIG of: abb11237 check: 291 from: 1 to: 28
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aabl1238; exendin agonist peptide SEQ ID NO 146.
(from "seq5ags.pep")
TOIG of: aabl1228 check: 9852 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                         Example 154; Page 209; 281pp; English.
                                                                                                                              exendin agonist peptide SEQ ID NO 145.
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                                                                                                                                                                                                                                                                                                                                           Kolterman O;
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                                                          AAB11237 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AGDGTFTSDLSKQMEBEAARLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                           L'italien JJ,
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                                                                                                                                                                                        Synthetic.
                                                                                AAB11237;
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match fo
aab11237
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activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                            New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel formulation (I) comprising an exendin exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB11238 Length: 28 February 4, 2005 13:32 Type: P Check: 9852 Found using 'seq5' (mohamed337.key)
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TOIG of: aab11239 check: 350 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 147.
                                                                                                                                                                                                                                                                                                                       Example 155; Page 210; 281pp; English
Young A, L'italien JJ, Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AGDGTFTSDLSKQLEEEAARLFIEFLKN
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seq5_ags.res

Check: 622

Type: P

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                   agonist peptide SEQ ID NO 144
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                                                                                                                                                                                                  AGDGTFTSDLSKQMEEAAVRLFIEWLKN
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                   match found in sequence:
ab11236 ; exendin agonis
(from "seq5ags.pep")
TOIG of: aab11236 check
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                                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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      10-JAN-2000; 2000US-0175365P
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                                     (AMYL-) AMYLIN PHARM INC
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                                                                      L'italien JJ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
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                                                                                                       WPI; 2000-514584/46
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Found using 'seq5' (π
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of: aab11235
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Check: 183

1 match

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                    insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                 Exendin; agonist, treatment; antidiabetic; ins
plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aabil234 ; exemdin agonist peptide SEQ ID NO 142.
(from "seq5ags.pep")
TOIG of: aabil234 check: 187 from: 1 to: 28
                                        exendin agonist peptide SEQ ID NO 141.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 142.
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Young A, L'italien JJ, Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGDGTFTSDLSKOMEAEAVRLFIEWLKN
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10-JAN-2000; 2000US-0175365P
20-FEB-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-514584/46.
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                                                                                                                                                                                             WO200041546-A2
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                                                                                                                                                    Synthetic
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
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ng 'seq5' (mohamed337.key)
                                                                                                                                                 . match found in sequence:
aabl1232; exemidin agonist peptide SEQ ID NO 140.
(from "seq5ags.pep")
TOIG of: aabl1232 check: 191 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . match found in sequence:
aabl1233; exendin agonist peptide SEQ ID NO 141.
(from seq5ags.pep")
TOIG of: aabl1233 check: 626 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 149; Page 205; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                            exendin agonist peptide SEQ ID NO 140.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman 0;
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                                                                                                                                                                                                                                                          AAB11232 standard; peptide; 28 AA
                                                               AGDGTFTSDLSKOMAERAVRLFIEWLKN
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  Found using 'seq5' (mohamed337.key)
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB11233;
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AAB11232

BXXX

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
to insulin to treat diabetes
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                                                                                                                                                                                                                                                 Check: 181
                                                                                                                                                                                                                                                 Type: P
 for increasing the sensitivity of a subject
                                                                                                                                                                                                                                                                                                                                                                                                   ID NO 139
                                                                                                                                                                                                                                                                                                                                                                                                                                  to: 28
                                  Example 147; Page 203-204; 281pp; English.
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g 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 139
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                    from: 1
                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aabl1231 ; exendin agonist peptide SEQ
(from "seq5ags.pep")
TOIG of: aabl1231 check: 630 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB11231 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                 AGDGTFTSDLSKQGEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                  or reducing food intake
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                                                                                                                                                                                                                    Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB11231;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young A,
                                                                                                                                                                                                                                                     AAB11230
   This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                   New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New formulations comprising an exendin or exendin agonist peptide used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type: P
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aab11230 ; exendin agonist peptide SEQ ID NO 138.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2005 13:32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exendin agonist peptide SEQ ID NO 138.
                                                                                                                                                                                                                                                                                                   Example 146; Page 203; 281pp; English.
                                                                                                                                                                                    Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kolterman O;
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10-JAN-2000; 2000US-0175365P.
                                                                 14-JAN-2000; 2000WO-US000902
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                                                                                                                                                   (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                   or reducing food intake
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TOIG of: aab11230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 28 AA;
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   WO200041546-A2
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                                                                                                                                                                                    Young A,
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28 t0:

from: 1 Ź insulin sensitivity; diabetes;

8X333

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New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                          exendin agonist peptide SEQ ID NO 136.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman O;
                                                            AAB11228 standard; peptide; 28
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                                                                                                                                        (first entry)
                        check: 97
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          or reducing food intake
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      (from "seq5ags.pep")
TOIG of: aab11228 c
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                                                                                                                                                                                                                                                                        Synthetic.
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                                                                                                  AAB11228;
                                                              would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                    Check: 43
                                                                                                                    Type: P
                                                                                                                                                                                                                                                                    . match found in sequence:
aab11227; exendin agonist peptide SEQ ID NO 135.
(from "seq5ags.pep")
TOIG of: aab11227 check: 522 from: 1 to: 28
                                                                                                                AAB11226 Length: 28 February 4, 2005 13:32 Found using '8eq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                    AAB11227 standard; peptide; 28 AA
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AGDGTFTSDLSKQAEEEAVRLFIEWLKN
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                                                                                Sequence 28 AA;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                 97
                                                                                                                                                                                                                                                                                                                                   check:
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Found using 'seq5' (mohamed337.key)
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(from "seq5ags.pep")
TOIG of: aab11229 check: 606 from: 1 to: 28
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Example 145; Page 202; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                              AGDGTFTSDLSKQAEEEAVRLFIEFLKN
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match found in sequence: aabl1228 ; exendin agonist peptide SEQ ID NO 136.

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin of activity is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which
                                                                                                                                                                                                                         This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Type:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           agonist peptide SEQ ID NO 134
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                                                                                                                                                                                       Example 142; Page 200; 281pp; English
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                                             Kolterman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGDGTFTSDLSKAMEEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
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(AMYL-) AMYLIN PHARM INC
                                             L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                            food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aab11226 ; exendin agonis
(from "seq5ags.pep")
TOIG of: aab11226 check
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                                                                                    WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
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                                             Young A,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; glucose; gastric emptying; food intake.
                                           Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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appl1225; exendin agonist peptide SEQ ID NO 133
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Found using 'seq5' (mohamed337.key)
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      exendin agonist peptide SEQ ID NO 132
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                                                                                                                                                                                                                                                                                                                                                                                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  reducing food intake
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TOIG of: aab11225
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plasma

Check: 482

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-omolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insull to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                       492
                                                                                                                                                                                                                                                                 AAB11221 Length: 28 February 4, 2005 13:32 Type: P Check: ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                  . match found in sequence:
aab11222; exendin agonist peptide SEQ ID NO 130.
(from "seq5ags.pep")
TOIG of: aab11222 check: 53 from: 1 to: 28
Example 138; Page 197; 281pp; English.
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AGDGTFTSDLAKQMEEEAVRLFIEWLKN
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                                                                                                                                                                                  or reducing food intake
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AAB11222 Length: 28 February 4, 2005 13:32 Type: P Check: 53 Found using 'seq5' (mohamed337.key)

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin; agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
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TOIG of: aabl1224 check: 131 from: 1 to: 28
                                                                                                          . match found in sequence:
aabil1223; exendin agonist peptide SEQ ID NO 131.
(ffrom seeq5ag.pep")
TOIG of: aabil1223 check: 570 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin agonist peptide SEQ ID NO 131.
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AGDGTFTSDLAKQLEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                         formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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to
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                                                                                                                                           Young A, L'italien JJ, Kolterman O;
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                              14-JAN-2000; 2000WO-US000902.
                                                            14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                           WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
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TOIG of; aab11221 c
                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28 AA;
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20-JUL-2000
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                         Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    n; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              640
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 136; Page 195; 281pp; English.
                                                                                                        exendin agonist peptide SEQ ID NO 127
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                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        from: 1
           AAB11219 standard; peptide; 28 AA.
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                                                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                 L'italien JJ,
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TOIG of: aab11220
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                                                                                                                                       Exendin;
                                         AAB11219;
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                                                                                                                                                                                                                                                                                                                                                                                                     Young A,
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or reducing food intake
                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
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                                                    AAB11217
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
aab11217 ; exendin agonist peptide SEQ ID NO 125.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 125.
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                                                                                              Example 133; Page 193; 281pp; English
Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11217 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                  AGDGTFTSELSKOLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L'italien JJ,
L'italien JJ,
                           WPI; 2000-514584/46.
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of: aab11217 c
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Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB11217;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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Check: 580
   Type: P
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(from "seq5ags.pep")
TOIG of: aabl1219 check: 640 from: 1 to: 28
                                                                                                                                                                                                                                                                                                aab11218 ; exendin agonist peptide SEQ ID NO 126
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28 February 4, 2005 13:32 (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                           AAB11218 standard; peptide; 28 AA
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AGDGTFTSDASKQMEEEAVRLFIEWLKN
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10-JAN-2000; 2000US-0175365P.
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TOIG of: aab11218 check: 141
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                                                                                                                                                                                                                                                          match found in sequence:
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   AAB11217 Length:
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(from "seq5ags.pep")
TOIG of: aab11216 check: 260
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                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                    WO200041546-A2
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                               Synthetic.
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                                                                                                                                                                       Young A,
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Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                        aab11214 ; exendin agonist peptide SEQ ID NO 122.
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                                                                                                                                               exendin agonist peptide SEQ ID NO 122.
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                                                 (from "seq5ags.pep")
TOIG of: aab11214 check: 224 from: 1
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                                                                                 AAB11214 standard; peptide; 28 AA
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                           1 match found in sequence:
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TOIG of: aab11215
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                                                                                                                                                                                                    Synthetic.
                                                                                                     AAB11214;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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10-JAN-2000; 2000US-0175365P.
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic estivity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                               Type: P
                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aabl1213; exemin agonist peptide SEQ ID NO 121.
(from "seq5ags.pep")
TOIG of: aabl1213 check: 663 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 121.
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                                                                                                                                                                                                 Length: 28 February 4, 3, 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                    AGDGTFTADLSKOLEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                              or reducing food intake
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                                                                                                                                                                                               New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      aabil212; exendin agonist peptide SEQ ID NO 120.
(from "seq5ags.pep")
TOIG of: aabil212 check: 107 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGDGTFTADLSKOMEBEAVRLFIEWLKN
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                                         14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P
         14-JAN-2000; 2000WO-US000902
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                                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                              L'italien JJ,
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Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                exendin agonist peptide SEQ ID NO 118.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young A, L'italien JJ, Kolterman O;
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10-JAN-2000; 2000US-0175365P.
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                                                                      (first entry)
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                                                                   20-FEB-2001
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                         AAB11210;
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  Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to trast diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                              Type: P Check: 221
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                                                                                                                                                                                                                  match found in sequence:
aabl1209 ; exendin agonist peptide SEQ ID NO 117.
(from "seq5ags.pep")
TOIG of: aabl1209 check: 683 from: 1 to: 28
                                          AAB11208 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin agonist peptide SEQ ID NO 117
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                                                                                                                              AGDGTATSDLSKQLEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P
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Sequence 28 AA
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New

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Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
February 4, 2005 13:32 Type: P Check: 244
                                                                                                                             ID NO 119.
                                                                                                                                                        to: 28
                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 119.
                                                                                                                                                         from: 1
                                                                                                                           aab11211 ; exendin agonist peptide SEQ
(from "seq5ags.pep")
TOIG of: aab11211 check: 546 from: 1
                                                                                                                                                                                    AAB11211 standard; peptide; 28
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AGDGTFSSDLSKQLEEEAVRLFIEFLKN
AAB11210 Length: 28 February 4, ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                              Synthetic
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aab11210 ; exendin agonist peptide SEQ ID NO 118

match found in sequence:

from: 1

check: 244

(from "seq5ags.pep" TOIG of: aab11210

AAB11210 standard; peptide; 28 AA.

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                            This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                    formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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10-JAN-2000; 2000US-0175365P.
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TOIG of: aab11208 check:
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WPI; 2000-514584/46.
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                                           New 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 123; Page 185; 281pp; English
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                            L'italien JJ,
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of: aab11207 c
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                                                                                                            20-JUL-2000
                         Synthetic.
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                                                                                                                                                                                                                                                                                                              Young A,
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XIXBXBXBXBXBXBXBXBXBXBXBXBXBX

aab11205 ; exendin agonist peptide SEQ ID NO 113.
(from "seq5ags.pep")
TOIG of: aab11205 check: 595 from: 1 to: 28

match found in sequence:

check: 595

AAB11205 standard; peptide; 28

AAB11205;

Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.

exendin agonist peptide SEQ ID NO 113.

(first entry)

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has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                    Check: 690
                                                                                                                                                                    Type: P
                                                                                                                                                                                                                                                                                                                                aab11204 ; exendin agonist peptide SEQ ID NO 112
                                                                                                                                                              AAB11203 Length: 28 February 4, 2005 13:32 Found using '8eq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin agonist peptide SEQ ID NO 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 121; Page 183; 281pp; English.
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                                                                                                                                                                                                                                                                                                                                                                  from: 1
                                                                                                                                                                                                                                                                                                                                                                                                     AAB11204 standard; peptide; 28 AA
                                                                                                                                                                                                                                     AGDGTFTSDLSKQMEEEAVRLFIEWLKN
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                                                                                           or reducing food intake
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                                                                                                                                                                                                                                                                                                                                               (from "seq5ags.pep")
TOIG of: aab11204
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L'italien JJ, Kolterman O;

Young A,

(AMYL-) AMYLIN PHARM INC.

14-JAN-2000; 2000WO-US000902. 14-JAN-1999; 99US-0116380P. 10-JAN-2000; 2000US-0175365P.

14-JAN-1999;

WO200041546-A2.

Synthetic.

20-JUL-2000.

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabotic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                               New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      agonist peptide SEQ ID NO 114.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 122; Page 184; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-FEB-2001 (first entry)
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(from "seq5ags.pep")
TOIG of: aab11206 cl
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444444444
44444444
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AAB11204 Length: 28 February 4, 2005 13:32 Type: P Check: 251 ound using 'seq5' (mohamed337.key)

Found using 'seq5'

AGDGTFTSDLSKQLEEEAVRLFIEFLKN

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying, food intake.
                                                                                                                                                                                   formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aab11203 ; exendin agonist peptide SEQ ID NO 111.
(from "seq5ags.pep")
TOIG of: aab11203 check: 690 from: 1 to: 28
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                                                                                                       Kolterman
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14-JAN-1999; 99US-0116380P.
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                                                              (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                        or reducing food intake
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                                                                                                     L'italien JJ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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                                                                                                       Young A,
                                                                                                                                                                                       New
  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                     Exendin, agonist, treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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(from "seq5ags.pep")
TOIG of: aab11202 check: 242 from: 1 to: 28
                                                              exendin agonist peptide SEQ ID NO 109.
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                       (first entry)
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11199; exendin agonist peptide SEQ ID NO 107.
(from "seq5ags.pep")
TOIG of: aab11199 check: 673 from: 1 to: 28
                                                           Example 115; Page 179; 281pp; English.
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist its used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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 Check: 673
 Type: P
                                                                                                                                                         abbli200; exemdin agonist peptide SEQ ID NO 108.
(from "seq5ags.pep")
TOIG of: aab11200 check: 590 from: 1 to: 28
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28 February 4, 2005 13:32 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                          exendin agonist peptide SEQ ID NO 108.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Young A, L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
aabl1201 ; exendin agonist peptide SEQ
[from "seq5ags.pep"]
TOIG of: aabl1201 check: 681 from: 1
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                                                                      HGEGTFTSALSKOMEEEAVRLFIEWLKN
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                            match found in sequence:
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AAB11199 Length:
Found using 'seq5'
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plaama glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aablillab; exendin agonist peptide SEQ ID NO 106.
(from "seq5ags.pep")
TOIG of: aablil98 check: 676 from: 1 to: 28
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                                                                                                                                             14-JAN-1999; 99US-0116380P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
                       WO200041546-A2
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    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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aabl1197; exendin agonist peptide SEQ ID NO 105:
(from "seq5ags.pep")
TOIG of: aabl1197 check: 688 from: 1 to: 28
aab11196 ; exendin agonist peptide SEQ ID NO 104
                                           <u>د</u>و:
                                                                                                                                                                                                          exendin agonist peptide SEQ ID NO 104.
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                                         from: 1
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                                                                                28 AA
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10-JAN-2000; 2000US-0175365P
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                                                                                AAB11196 standard; peptide;
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                     (from "seq5ags.pep")
TOIG of: aab11196 o
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the enshitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                            aab11195 ; exendin agonist peptide SEQ ID NO 103.
(from "seq5ags.pep")
TOIG of: aab11195 check: 234 from: 1 to: 28
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                                                                           or reducing food intake
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aabi1194 ; exendin agonist peptide SEQ ID NO 102.
(from "seq5ags.pep")
TOIG of: aabi1194 check: 237 from: 1 to: 28
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                                                                           L'italien JJ,
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Found using 'seq5' (mc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young A,
                                                                             Young A,
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Type: P Check: 234

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   modulating triglyceride
                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inciropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They besent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Type: P Check: 693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of exendin and exendin agonist compounds for mod
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08434 Length: 28 February 4, 2005 13:32
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "C-terminal amide"
                                                                                                                                                                                    Example 83; Page 87; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 84; Page 87; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Exendin agonist peptide #80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |------|
HGEGTFSSDLSKQMEEEAVRLFIEWLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08435 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (from "seq5ags.pep")
TOIG of: aae08435 check: 701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman OG, Young AA;
                                                      Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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                                                    Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-JUL-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08435;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aae08435
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The secretion is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Check: 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length: 28 February 4, 2005 13:32 Type: P
3 'seq5' (mohamed337.key)
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                                                                        /note= "C-terminal amide"
                                     'note= "Naphthylalanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
28
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 82; Page 86; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
aae08434 ; Exendin agonist peptide #79.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08434 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTXTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                           10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                    Young AA;
                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (from "seq5ags.pep")
TOIG of: aae08434 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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Key
Modified-site
                                                                                                           WO200151078-A1
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Modified-site
                                                                                                                                                                                                                                                                                                    Kolterman OG,
                                                      Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pound using 'seq5'
                                                                                                                                                 19-JUL-2001
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AAE08433

AAE08432 standard; peptide; 30 AA.

seq5_ags.res

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exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; dinretic; coronary heart disease; dyslipidaemia.
AAE08430 Length: 36 February 4, 2005 13:32 Type: P Check: 869 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                        to: 35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
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to:
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAX
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                                                                                                                                                                                      check: 7463 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 80; Page 85; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                 match found in sequence:
aae08431 ; Exendin agonist peptide #76.
[CICom "seq5ags.pep"]
TOIG of: aae08431 check: 7463 from:
                                                                                                                                                                                                                       AAE08431 standard; peptide; 35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     aae08432 ; Exendin agonist peptide #77. (from "seq5ags.pep")
TOIG of: aae08432 check: 4886 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08431 Length: 35 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 4886
                                                                                                                                                                                                                                                                                      01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                       AAE08431;
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modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I besent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       patent discloses a method for modulating plasma or postprandial
                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3432 Length: 30 February 4, 2005 13:32 Type: P Check: 4886 using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                   Use of exendin and exendin agonist compounds for mor levels, and treating heart disease and dyslipidemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: 28
                                                                                                                                                                                                          /note= "C-terminal amide"
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                                                                                                                                                                                 Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
   aae08433 ; Exendin agonist peptide #78.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |------HGDCTFTSDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08433 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                      10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719
                                                                                 Exendin agonist peptide #77.
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                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                            Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 30 AA;
                                                                                                                                                                                                                                       WO200151078-A1
                                                                                                                                                                                Key
Modified-site
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                                                     01-NOV-2001
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                                                                                                                                                    Synthetic.
                           AAE08432;
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The patent discloses a method for modulating plasma or postprandial
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Use
88888888888
                                                                                                                                                                                                                                                                                                                                                                               Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                               AAB08428 Length: 37 February 4, 2005 13:32 Type: P Check: 1733 ound using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to: 37
                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKQMEERAVRLFIEWLKNGGASSGAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           note= "Homoproline"
                                                                                                         Example 77; Page 83; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    aae08429; Exendin agonist peptide #74. (from "seq5ags.pep")
TOIG of: aae08429 check: 4125 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08429 standard; peptide; 37 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide #74.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                            found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-514422/56.
                           WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                  Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200151078-A1
                                                                                                                                                                                                                                                                                                                                Found using 'seq5'
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Modified-site
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Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08429;
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modulating triglyceride
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                                                                                                                                                                          The
triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                 Check: 4125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "Homoproline; C-terminal amide"
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levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                              Type: P
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                                                                                                                                                                                                                                                                                                                                                 AAE08429 Length: 37 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aae08430 ; Exendin agonist peptide #75.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08430 standard; peptide; 36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq5ags.pep")
TOIG of: aae08430 check: 869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                 Sequence 37 AA;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, dinretic, coronary heart disease, dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "N-Methyl-alanine; C-terminal amide"
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                                                                                                                                                                                                                                                                                                  Example 76; Page 82; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
aae08428 ; Exendin agonist peptide #73.
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                                                     09-JAN-2001; 2001WO-US000719
                                                                                         10-JAN-2000; 2000US-0175365P
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                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                    Young AA;
                                                                                                                                                                                                       WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq5ags.pep")
TOIG of: aae08428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 37 AA;
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Modified-site
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                                                                                                                                                                    Kolterman OG,
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                 19-JUL-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin and exendin agonist compounds for modulating triglyceride and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                      /note= "Thioproline; C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'note= "C-terminal amide"
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                                                                             'note= "Thioproline"
                                                                                                                  'note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 75; Page 82; 161pp; English.
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                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
aae08427 ; Exondin agonist peptide #72.
[from "seq5ags.pep"]
TOIG of: aae08427 check: 2828 from:
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                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                      Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 38 AA;
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                                                             Modified-site
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       Synthetic
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                    /note= "Thioproline; C-terminal amide"
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HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGXSSGAXXX
                                                                                                                                                                                                                  'note= "Thioproline"
                                                                                                                                                                                                                                                        note= "Thioproline"
                                                                                                                                                                                                                                                                                           'note= "Thioproline"
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                                                                                                                                                                       Location/Qualifiers
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aae08426; Exendin agonist peptide #70.
(from "seq5ags.pep")
TOIG of: aae08426 check: 7221 from:
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                                     Exendin agonist peptide #70
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01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 38 AA;
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Modified-site
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                                                                                                                                      Synthetic.
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2X2X5X8X2XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They postpreadill triglyceride levels.
                                                                                                                                                                                                                                                                                                                                    Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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29
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aae08425; Exendin agonist peptide #70.
(from "seq5ags.pep")
                                                                          match found in sequence:
aae08424; Exendin agonist peptide #69.
(ffrom "seq5ags.pep")
TOIG of: aae08424 check: 2320 from:
                                                                                                                                                                           29 AA
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNG
HGEGTFTSDLSKOMBERAVRLFIEWLKNG
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                                                                                                                                                                                                                                                                                               Exendin agonist peptide #69.
                                                                                                                                                                           AAE08424 standard; peptide;
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Modified-site
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19-JUL-2001

AAE08425

BXXX

Synthetic

AAE08424;

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Synthetic.
                                                                                                                                                                                                                                                                           AAE08423;
                                                                                                                                                                                                                                                       888888888
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                                                                  exendin and exendin agonist compounds for modulating triglyceride and treating heart disease and dyslipidemia.
                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and duretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                          Check: 6930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        modulating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Jee of exendin and exendin agonist compounds for mod levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                          Type: P
                                                                                                                                                                                                                                                                                                                                                                                      to: 30
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                                                                                                                                                                                                                                                          AAE08421 Length: 31 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                         from: 1
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                                                                                                        Example 70; Page 79; 161pp; English
                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aae08422; Exendin agonist peptide #67.
[from "seq5ags.pep"]

Tolg of: aae08422 check: 4450 from:
                                                                                                                                                                                                                                                                                                                                                                                                               AAE08422 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .0-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide #67
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
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    PHARM INC
                           Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                WPI; 2001-514422/56
                                                                       exendin and
                                                                                                                                                                                                                                        Sequence 31 AA;
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    (AMYL-) AMYLIN
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Modified-site
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                           Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08422;
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modulating triglyceride
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exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin sponist. Exendins have increopic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat concentry they are used to treat concentry heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. T present peptide sequence is an agonist of exendin
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levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                          Type: P
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                                                                                                                                                                                                                                                                                          AAB08422 Length: 30 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
aae08423; Exendin agonist peptide #68.
(from "seq5ags.pep")
TOIG of: aae08423 check: 2759 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08423 standard; peptide; 29 AA
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
1
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                                                                                                                                                                                                                                      Sequence 30 AA;
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Modified-site
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AAE08419;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agoniat; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08420 Length: 31 February 4, 2005,13:32 Type: P Check: 7369 Found using 'seq5' (mohamed337.key)
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                                                       /note= "C-terminal amide"
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    Location/Qualifiers
31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aae08421; Exemiin agonist peptide #66.
(from "seq5ags.pep")
TOIG of: aae08421 check: 6930 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08421 standard; peptide; 31 AA
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| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP
                                                                                                                                                                         09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                               Young
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 31 AA;
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                                                                                               WO200151078-A1
                  Key
Modified-site
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                                                                                                                                    19-JUL-2001
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08419 Length: 32 February 4, 2005 13:32 Type: P Check: 9586 ound using 'seq5' (mohamed337.key)
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(from "seq5ags.pep")
TOIG of: aae08420 check: 7369 from:
                  AAE08419 standard; peptide; 32 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08420 standard; peptide; 31 AA
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                                                                                                                                      Exendin agonist peptide #64
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                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 32 AA;
                                                                                                                                                                                                                                                                                                                                                         WO200151078-A1
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                                                                                           01-NOV-2001
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AAE08420;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin sonist. Exendins have increopic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exesent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                              AAE08416 Length: 33 February 4, 2005 13:32 Type: P Check: 2764 Found using 'seq5' (mohamed337.key)
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         Example 65; Page 76; 161pp; English.
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                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aae08417 ; Exendin agonist peptide #62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #62
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                                                                                                                                                                                                                                                                                                                                                                                                                              check: 2325
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TOIG of: aae08417
                                                                                                                                                                                                   Sequence 33 AA;
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Modified-site
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to: 33

from: 1

33 AA

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
33 February 4, 2005 13:32 Type: P Check: 2325 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Type: P Check: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 67; Page 77; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                       HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ...... match found in sequence:
aae08419 ; Exendin agonist peptide #64.
(from "seq5ags.pep")
TOIG of: aae08419 check: 9586 from:
                                                                                                                                                                                check: 25 from: 1
                                                                                                                                                 aae08418 ; Exendin agonist peptide #63.
(from "seq5ags.pep")
TOIG of; aae08418 check: 25 from: 1
                                                                                                                                                                                                              AAE08418 standard; peptide; 32 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08418 Length: 32 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #63
                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56.
                                                                                                                                       match found in sequence:
              33
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Modified-site
           AAE08417 Length:
Found using 'seq5'
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                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
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seq5_ags.res

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                      Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                              AAE08415 Length: 34 February 4, 2005 13:32 Type: P Check: 4739 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQLEEEAVRLF1EFLKNGGPSSG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             check: 2764 from: 1
                                                                                                                                                                                                       Example 64; Page 75; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
aae08416; Exendin agonist peptide #61.
(from "seq5ags.pep")
TOIG of: aae08416 check: 2764 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08416 standard; peptide; 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-JAN-2001; 2001WO-US000719
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                                          10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide #61.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                      (AMYL-) AMYLIN PHARM INC.
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                                                                                                   Young
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                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                      Sequence 34 AA;
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Modified-site
                                                                                                   Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-NOV-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08416;
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
               gonist; antilipemic; cardiant; triglyceride; inotropic;
coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Check: 5178
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                                                                                                                 /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSG
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                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                 Example 63; Page 75; 161pp; English
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aae08415; Exendin agonist peptide #60.
(from "seq5ags.pep")
TOIG of: aae08415 check: 4739 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08415 standard; peptide; 34 AA
                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                     10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                               Young AA;
                                                                                                                                                                                                                                                                                                                           WPI; 2001-514422/56.
                agonist;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 34 AA;
                                                                                                                                               WO200151078-A1
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                                                                                        Key
Modified-site
                                                                                                                                                                                                                                                                                              Kolterman OG,
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                                diuretic;
                                                           Synthetic
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               Exendin
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to: 35

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exendin and exendin agonist compounds for modulating triglyceride , and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                         Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
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/note= "C-terminal amide"
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                                                                                    check: 7014 from: 1
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                       match found in sequence:
aae08413 ; Exendin agonist peptide #58.
(from "seq5ags.pep")
TOIG of: aae08413 check: 7014 from:
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                                                                                                                            AAE08413 standard; peptide;
                                                                                                                                                                                                                                                   Exendin agonist peptide #58
                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kolterman OG, Young AA;
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TOIG of: aae08414 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 35 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                     AAE08413;
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                                                                                                                              8X4X5X8
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concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                          Check: 9894
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                                                                                                                          Type: P
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35
                                                                                                                                                                                                                                                                                                      aae08412; Exendin agonist peptide #57. (from "seq5ags.pep")
TOIG of: aae08412 check: 7453 from:
                                                                                                                                                                                                                                                                                                                                                                                              AAE08412 standard; peptide; 35 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                         1 match found in sequence:
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                                                                                  Sequence 36 AA;
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                                                                                                                                               Found using 'seq5'
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Modified-site
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Type: P Check: 7014

to: 34

AAE08412

Exendin agonist peptide #59.

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                             Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                         The patent discloses a method for modulating plasma or postprandial trigityceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin squist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
                                                                                             Example 59; Page 72; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  aae08411; Exendin agonist peptide #56.
(from "seq5ags.pep")
TOIG of: aae08411 check: 9894 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08411 standard; peptide; 36 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist, peptide #56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA;
                  WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                         Sequence 36 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08411;
   Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial trigity exertide and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Type: P Check: 2854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 36
/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08409 Length: 37 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                       Example 58; Page 72; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aae08410 ; Exendin agonist peptide #55.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08410 standard; peptide; 36 AA
                                                                                                                           10-JAN-2000; 2000US-0175365P
                                                                                             09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOIG of: aae08410 check: 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                           (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                         Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA;
                                                                                                                                                                                                                         WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 37 AA;
                               WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200151078-A1
                                                                                                                                                                                       Kolterman OG,
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                                                               19-JUL-2001
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to: 36

AAE08407;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  to: 37
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                                                                                                                                                                                                                                                   /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 57; Page 71; 161pp; English
                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aae08409 ; Exendin agonist peptide #54.
(from "seq5ags.pep")
TOIG of: aae08409 check: 2854 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08409 standard; peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                                                                                              10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                       09-JAN-2001; 2001WO-US000719
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                                                                           Exendin agonist peptide #53
                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 37 AA;
                                                                                                                                                                                                                                                                                           WO200151078-A1
                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Found using 'seq5'
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                                      01-NOV-2001
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                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08409;
AAE08408;
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  Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and divertic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 37
                                                                                                                                                                               to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
38
/note= "C-terminal amide"
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
                                      HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 56; Page 71; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
aae08408 ; Exendin agonist peptide #53.
[from "seq5ags.pep"]
TOIG of: aae08408 check: 3293 from:
                                                                                                                                        aae08407 ; Exendin agonist peptide #52.
(from "seq5ags.pep")
TOIG of: aae08407 check: 5894 from:
                                                                                                                                                                                                                      AAE08407 standard; peptide; 38 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #52
                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA;
                                                                                                                      1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 38 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
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Type: P Check: 3293

Location/Qualifiers 37

Key' Modified-site

AAE08408 standard; peptide; 37 AA.

seq5_ags.res

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Young
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                                                                                                                                                                                              match found in sequence
                                                                                                                                                                                                                     (from "seq5ags.pep")
TOIG of: aae08406 o
                                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                              WO200151078-A1
                                                                                                              AAE08405 Length:
Found using 'seq5'
                                                                                                                                                                                                                                                                                                                                                                                      Key
Modified-site
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                                                                                                                                                                                                                                                                                          01-NOV-2001
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                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                       AAE08406;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use
 8888888888888
                                                                                                                                                                                                                                                   exendin and exendin agonist compounds for modulating triglyceride , and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                 The patent discloses a method for modulating plasma or postprandial trigityceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
dluretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                 AAE08404 Length: 28 February 4, 2005 13:32 Type: P Check: 9991
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                  from: 1
                                                                                                              Example 53; Page 69; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 54; Page 69; 161pp; English.
                                                                                                                                                                                                                                                                                                                                   match found in sequence:
aae08405 ; Exendin agonist peptide #50.
                                                                                                                                                                                                                                                                                                                                                                                      28 AA
                                                                                                                                                                                                                                                                                  HGEGTPTSDLSKQLEEEAVRLPIEFLAN 28
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #50.
                                                                                                                                                                                                                                                                                                                                                                                      AAE08405 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                  check: 9897
                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                   (AMYL-) AMYLIN PHARM INC
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                                        Young AA;
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                                                            WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                       (from "seq5ags.pep")
TOIG of: aae08405 o
                                                                                                                                                                                                                               Sequence 28 AA;
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                                         Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                          AAE08405;
                                                                                           levels,
                                                                                 Use of
#X#X#X###X#X##X
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Type: P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      aae08406 ; Exendin agonist peptide #51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08406 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKQLEEEAVRLFIEFLKA
                                                                                                                                                                                                                                                                                                                                                                                                                                              28 February 4, (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                check: 6333
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AAE08402

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin sonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. T present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agoniet; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Type: P Check: 9975
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                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 52; Page 68; 161pp; English.
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                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aae08404 ; Exemdin agonist peptide #49 (from "seq5ags.pep")
TOIG of: aae08404 check: 9991 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08404 standard; peptide; 28 AA
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HGEGTFTSDLSKQLEEEAVRLFIBPAKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
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                                                    Key
Modified-site
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                   Synthetic
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exendin and exendin agonist compounds for modulating triglyceride and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin somist. Exendins have increopic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq5' (mohamed337.key)
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/note= "C-terminal amide"
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                       check: 136 from: 1
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(from "seq5ags.pep")
TOIG of: aae08403 check: 9975 from:
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                                                            AAE08402 standard; peptide; 28 AA
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                                                                                                                                                                       Exendin agonist peptide #47
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                                                                                                                                      (first entry)
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       (from "seq5ags.pep")
TOIG of: aae08402 c
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Fri Feb

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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levels, and treating heart disease and dyslipidemia.
                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                     48; Page 66; 161pp; English.
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28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          aae08400; Exendin agonist peptide #45. (from "seq5ags.pep")
TOIG of: aae08400 check: 30 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08400 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                   |------HGEGTFTSDLSKQLEEEAVALFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide #45.
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                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
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                                                                                                                                                                                                                                                         Sequence 28 AA;
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                                                     Example
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
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                                             Check: 30
                                             February 4, 2005 13:32 Type: P
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
28
                                                                                                                                                                                                                  from: 1
                                                                                                                                                                  match found in sequence:
aae08401 ; Exendin agonist peptide #46.
[from "seq5ags.pep"]
TOIG of: aae08401 check: 165 from: ]
                                                                                                                                                                                                                                                 AAE08401 standard, peptide, 28 AA
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HGEGTFTSDLSKQLEEEAVRLFIAFLKN
                                                                                                       HGEGTFTSDLSKQLEEEAVRAFIEFLKN
                                                            (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #46.
                                                                                                                                                                                                                                                                                                            01-NOV-2001 (first entry)
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                                             Length: 28
              Sequence 28 AA;
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Modified-site
                                                             Found using 'seq5'
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                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                              AAE08401;
                                             AAE08400
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1 match found in sequence: aae08402 ; Exendin agonist peptide #47

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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
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                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                 /note= "C-terminal amide"
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28
/note= "C-terminal amide"
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                                                                                                                   Location/Qualifiers
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aae08398 ; Exendin agonist peptide #43.
(from "seq5ags.pep")
TOIG of: aae08398 check: 9862 from:
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HGEGTFTSDLSKQLEEAAVRLFIEFLKN
                                                                                                                                                                                                                                          09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                     10-JAN-2000; 2000US-0175365P.
               Exendin agonist peptide #42.
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                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                  Young AA;
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Modified-site
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Modified-site
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BXJJHXSXMMXBXHXJXXXB
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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aae08399; Exendin agonist peptide #44.
(from "seq5ags.pep")
TOIG of: aae08339 check: 9921 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKQLEEEAARLFIEFLKN
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                                         09-JAN-2001; 2001WO-US000719
                                                                      10-JAN-2000; 2000US-0175365P
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                                                                                                  (AMYL-) AMYLIN PHARM INC
                                                                                                                             Kolterman OG, Young AA;
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                                                                                                                                                          WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
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Modified-site
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              19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08399;
                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match
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found in sequence:

match

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gonist, antilipemic; cardiant; triglyceride; inotropic;
coronary heart disease; dyslipidaemia.
                                                                                                                                          Check: 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08395 Length: 28 February 4, 2005 13:32 Type: P Check: 201
Found using 'seq5' (mohamed337.key)
                                                                                                                                      AAE08394 Length: 28 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 44; Page 64; 161pp; English
                                                                                                                                                                                                                                                                                                                               check: 201 from: 1
                                                                                                                                                                                                                                                                           1 match found in sequence:
   aae08395 ; Exendin agonist peptide #40.
   (from 'seq5ags.pep")
   TOIG of: aae08395 check: 201 from: 1
                                                                                                                                                                                                                                                                                                                                                                 AAE08395 standard; peptide; 28 AA
                                                                                                                                                                                                       HGEGTFTSDLSKQAEREAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide #40
                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
                                                                                                        Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                    01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        diuretic;
                                                                                                                                                                                                                                                                                                                                                                                                 AAE08395
 88888888
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HGEGTFTSDLSKOLAEEAVRLFIEFLKN

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incrropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride.
                                                                                                                                                                                Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Type: P Check: 197
                            28
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                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 45; Page 64; 161pp; English.
                                                                                                                                                                                                                                                             Location/Qualifiers
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                            from: 1
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(from "seq5ags.pep")
TOIG of: aae08397 check: 193 from: 1
                                                           Z
aae08396 ; Exendin agonist peptide #41
                                                           AAE08396 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08397 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKQLEAEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                 09-JAN-2001; 2001WO-US000719.
                                                                                                                                                   Exendin agonist peptide #41.
              (from "seq5ags.pep")
TOIG of: aae08396 check: 197
                                                                                                                    01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                        WO200151078-A1
                                                                                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                     19-JUL-2001
                                                                                                                                                                                                                              Synthetic.
                                                                                        AAE08396;
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                                                           BXXXE
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                    Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                          53
                                                                                                                                                                                                                                                                                                                                                                                                          Check:
                                                                                                                                                                                                                                                                                                                                                                                                        AAE08393 Length: 28 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                   Example 42; Page 62; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                check: 107 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . match found in sequence:
aae08394; Exendin agonist peptide #39.
(from "seq5ags.pep")
TOIG of: aae08394 check: 107 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08394 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKALEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #39.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman OG, Young AA;
                  Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-514422/56.
                                                     WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
                  Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-JUL-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08394;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Check: 141
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Found using 'seq5' (mohamed337.key)
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                                           /note= "C-terminal amide"
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                      Example 41; Page 62; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
aae08393 ; Excandin agonist peptide #38.
[Erom "seq5ags.pep"]
TOIG of: aae08393 check: 53 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08393 standard; peptide; 28 AA
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HGEGTFTSDLSAQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .0-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                     10-JAN-2000; 2000US-0175365P
                                                                                                                                                                09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #38
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                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                   Young AA;
                                                                                                                                                                                                                                                                                                                      WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
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                                                                                    WO200151078-A1
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          Key
Modified-site
                                                                                                                                                                                                                                                                                   Kolterman OG,
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                                                                                                                         19-JUL-2001
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Synthetic

AAE08393,

Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.

Exendin agonist peptide #36

(first entry)

01-NOV-2001

AAE08391;

AAE08391 standard; peptide; 28 AA.

/note= "C-terminal amide"

WO200151078-A1

19-JUL-2001.

09-JAN-2001; 2001WO-US000719. 10-JAN-2000; 2000US-0175365P.

(AMYL-) AMYLIN PHARM INC.
Kolterman OG, Young AA;
WPI; 2001-514422/56.

Location/Qualifiers

Key Modified-site

Synthetic.

seq5 ags.res

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0X2X5X8X8X8XEFFX8X6X4X6X4X1X6X1FX8X6SSSSSSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and duretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
AAE08389 Length: 28 February 4, 2005 13:32 Type: P Check: 117 'ound using 'seq5' (mohamed337.key)
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                                                                                                                  28
                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                    Location/Qualifiers
28
                                                                                                                 check: 151 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aae08391; Exendin agonist peptide #36.
(from "seq5ags.pep")
TOIG of: aae08391 check: 63 from: 1
                                                                              match found in sequence:
aae08390 ; Exendin agonist peptide #35.
(from "seq5ags.pep").... ''' from.'
                                                                                                                                      AAE08390 standard; peptide; 28 AA
                                |------|
HGEGTFTADLSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDASKQLEBEAVRLFIEFLKN
1
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                                                                                                                                                                                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                              09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                    Exendin agonist peptide #35
                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08390 Length: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                     WO200151078-A1
                                                                                                                                                                                                                                                                             Key
Modified-site
           Found using 'seq5'
                                                                                                                  TOIG of: aae08390
                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Found using 'seq5'
                                                                                                                                                                               01-NOV-2001
                                                                                                                                                                                                                                                                                                                                         19-JUL-2001
                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                           AAE08390;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Use of
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride lessent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08391 Length: 28 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
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                                                                                                       Example 40; Page 61; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aae08392 ; Exendin agonist peptide #37.
(from "seq5ags.pep")
TOIG of: aae08392 check: 141 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08392 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGEGTFTSDLAKQLEERAVRLFIBFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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Example 37; Page 60; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                      AAE08389;
                                                                                                                                            Found using
 & X C C C C C C C C X X
                                                                                                                                                                                                                                                                   Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                    exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and duretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exendin the present plasma disease and appresent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                   AAE08387 Length: 28 February 4, 2005 13:32 Type: P Check: 166
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                  to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
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28
                                                                                                                                   Example 36; Page 59; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                   from: 1
                                                                                                                                                                                                                                                                                                                                                   l match found in sequence:
aae08388 ; Exendin agonist peptide #33
(from "seq5ags.pep")
TOIG of: aae08388 check: 231 from: :
                                                                                                                                                                                                                                                                                                                                                                                                     AAE08388 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                   09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P
  09-JAN-2001; 2001WO-US000719
                      10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide #33
                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                         (AMYL-) AMYLIN PHARM INC.
                                                             Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-514422/56.
                                                                                  WPI; 2001-514422/56
                                                                                                                                                                                                                                                  Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Key
Modified-site
                                                              Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
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                                                                                                       Use of
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modulating triglyceride
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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                             Type: P Check: 231
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 28
                                                                                                                                                                                                                                                                                                                                                                      28 February 4, 2005 13:32 (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         aae08389 ; Exendin agonist peptide #34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTATSDLSKOLEEEAVRLFIEFLKN
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      09-JAN-2001; 2001WO-US000719
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levels, and treating heart
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              I match found in sequence:
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TOIG of: aae08389 c
                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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ound using 'seq5'
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Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                             Kolterman OG, Young
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq5ags.pep")
TOIG of: aae08387 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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Found using 'seq5'
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Modified-site
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Modified-site
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                                                                                                                                                                       19-JUL-2001
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                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08387;
 aae08385 ; Heloderma suspectum modified exendin-4 amide peptide (residues 1-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                      Heloderma suspectum modified exendin-4 amide peptide (residues 1-28) #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have intropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is Heloderma suspectum modified exendin-4 amide (residues 1-28) which is an agonist of exendin
                                                                                                                                                                                    Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                         Location/Qualifiers
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                              from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
   aae08386 ; Exendin agonist peptide #31.
   (Icom "seq5ags.pep")
   TOIG of: aae08386 check: 249 from: 1
                                                             28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08386 standard; peptide; 28 AA
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                                                             AAE08385 standard; peptide;
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                              check: 261
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                                                                                                                        01-NOV-2001. (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                                                                                                                                                    Buspectum
                (from "seq5ags.pep")
TOIG of: aae08385 c
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Modified-site
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                                                                                                                                                                                                                                   Heloderma
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
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                                                           /note= "C-terminal amide"
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Location/Qualifiers
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aae08387 ; Exendin agonist peptide #32.
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HAEGTFTSDLSKQLEEEAVRLFIEFLKN
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                    Check: 7905
                                                                                                  39 February 4, 2005 13:32 Type: P (mohamed337.key)
                                                                                                                                                                                                                                                                                         to: 39
                                                                                                                                                                    HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAAAAS
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                                                                                                                                                                                                                                                                                         from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                        . match found in sequence:
aae08383 ; Exendin agonist peptide #30.
(from "seq5ags.pep")
TOIG of: aae08383 check: 7001 from:
                                                                                                                                                                                                                                                                                                                          AAE08383 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #30.
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                                                                                                      AAE08382 Length: 39
Found using 'seq5' (mc
                                                                       Sequence 39 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is an agonist of exendin, exendin-4 amide (residues 1-
                                                                                                                                                                                                                                                                                                                                                                        Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                              . match found in sequence:
aae08384 ; Heloderma suspectum exendin-4 amide peptide (residues 1-28).
                         Check: 7001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08384 Length: 28 February 4, 2005 13:32 Type: P Check: 700 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                           Heloderma suspectum exendin-4 amide peptide (residues 1-28).
                         AAE08383 Length: 39 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                            to: 28
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGASSGAAAAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
28
                                                                                                                                                                                                            from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 13; Page 57; 161pp; English.
                                                                                                                                                                                                                                           AAE08384 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQMEEEAVRLFIBWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28) from Heloderma suspectum
                                                                                                                                                                                                            check: 700
                                                                                                                                                                                                                                                                                                              01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                               Heloderma suspectum
                                                                                                                                                                                                (from "seq5ags.pep")
TOIG of: aae08384 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 AA;
Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-JUL-2001
                                                                                                                                                                                                                                                                               AAE08384;
                                                                                                                                                              1 match
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1 match found in sequence:

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                      AAE08380 Length: 39 February 4, 2005 13:32 Type: P Check: 267 Pound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                     to: 39
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HGEGTFTSDLSKQLEEBAVRLFIEFLKNGGXSSGAXXXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             note= "N-Methyl-alanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           note= "N-Methyl-alanine"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           note= "N-Methyl-alanine"
                                                                                                                                                                                                                                                                                                                                                                                                   check: 7440 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
aae08381 ; Exendin agonist peptide #28.
                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08381 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 28; Page; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #28
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                                                                                                                                                                                                                                                                                                                                                                    aae08381 ; Exendin ag
(from "seq5ags.pep")
                                                                                                                                                                                       Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                     TOIG of: aae08381
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                         Type: P
                                                                                                                                                                                                                                                                                                                                                                                to: 39
                                                                                                                                                                                                                                            |-----HGEGTPTSDLSKQMEEEAVRLFIEWLKNGGASSGAAAAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      'note= "N-Methyl-alanine"
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                                                                                                                                                                                       AAE08381 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                         aae08382 ; Exendin agonist peptide #29.
(from "seg5ags.pep")
TOIG of: aae08382 check: 7905 from:
                                                                                                                                                                                                                                                                                                                                                                                                                AAE08382 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 29; Page; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                           match found in sequence:
                                                                                                                                                         Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08382;
       8888888888
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Fri Feb

Check: 267

Sequence 39 AA;

levels, and treating heart disease and dyslipidemia.

Example 26; Page; 161pp; English.

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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                      AAE08379
Found using
 FX8X555555555555X8
                               exendin and exendin agonist compounds for modulating triglyceride , and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of exendin and exendin agonist compounds for modulating triglyceride
                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                          Check: 458
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                                                                                                                                                                                                                                                                                                                                       AAE08378 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note= "Thioproline"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aae08379 ; Exendin agonist peptide #26.
(from "seq5ags.pep")
TOIG of: aae08379 check: 267 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08379 standard; peptide; 39 AA
                                                                                Example 25; Page; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
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Modified-site
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                                                  levels,
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                                  Use
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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3379 Length: 39 February 4, 2005 13:32 Type: Pusing '8eq5' (mohamed337.key)
                                                                                                                            to: 39
                                           HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                'note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                       note= "Homoproline"
                                                                                                                                                                                                                                                                                                                            'note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                              'note= "Homoproline"
                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                            from: 1
                                                                                        1 match found in sequence:
aae08380 ; Exendin agonist peptide #27.
                                                                                                                                                   AAE08380 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                     Exendin agonist peptide #27
                                                                                                                           check: 267
                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC
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                                                                                                              (from "seq5ags.pep"
TOIG of: aae08380
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Modified-site
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                                                                                                                                                                                                                                                                              Synthetic.
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Type: P
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aae08378 ; Exendin agonist peptide #25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08378 standard; peptide; 39 AA
                                                                                                                                                                                                     Example 24; Page; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             check: 458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                            Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA;
                                                                                                   WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq5ags.pep")
TOIG of: aae08378 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 39 AA;
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    XIXBXBXKBXBXBXIIIIIIIXBXBXBXBXBX
                                                                                                                                                                                               Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08376 Length: 39 Pebruary 4, 2005 13:32 Type: P Check: 458 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . match found in sequence:
aae08377; Exendin agonist peptide #24.
(from "seq5ags.pep")
TOIG of: aae08377 check: 706 from: J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08377 standard; peptide; 39 AA
                                                                                                                                                                                                                                                           Example 23; Page; 161pp; English
                                       10-JAN-2000; 2000US-0175365P
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09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                  Young AA;
                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
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                                                                                                                    Kolterman OG,
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Check: 706

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Sequence 39 AA;
           WO200151078-A1
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                                                                                                           Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08376;
   XBXBXBXBXBXBXBXBXBXBXBX
                                                                                                                                                                             Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incrropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                              AAE08374 Length: 39 February 4, 2005 13:32 Type: P Check: 9145 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to: 39
                  /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKOMEEEAVRLFIEFLKNGGPSSGAPPPS
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08375 standard; peptide; 39 AA
                                                                                                                                                                                                           Example 21; Page; 161pp; English
                                                                            09-JAN-2001; 2001WO-US000719
                                                                                                10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                    (AMYL-) AMYLIN PHARM INC
                                                                                                                                        Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       note=
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                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               (from "seq5ags.pep")
TOIG of: aae08375 c
                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
                                      WO200151078-A1
                                                                                                                                       Kolterman OG,
Key
Modified-site
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Modified-site
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                                                         19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08375 Length: 39 February 4, 2005 13:32 Type: P Check: 706 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
   aae08376 ; Exendin agonist peptide #23.
   (from 'seq5ags.pep")
   TOIG of: aae08376 check: 458 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 22; Page; 161pp; English.
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09-JAN-2001; 2001WO-US000719
                                                                     10-JAN-2000; 2000US-0175365P
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                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                        À,
                                                                                                                                                                                                                    Young
                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
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Fri Feb

to: 39

from: 1

check: 9476

(from "seq5ags.pep") TOIG of: aae08372

AAE08372 standard; peptide; 39

Exendin agonist peptide #19

(first entry)

01-NOV-2001

AAE08372;

1 match found in sequence: aae08372 ; Exendin agonist peptide #19.

/note= "C-terminal amide"

WO200151078-A1

19-JUL-2001

09-JAN-2001; 2001WO-US000719. 10-JAN-2000; 2000US-0175365P

(AMYL-) AMYLIN PHARM INC

Young AA;

Kolterman OG,

WPI; 2001-514422/56.

Location/Qualifiers

Key Modified-site Modified-site

Synthetic.

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                        Exendin agonist, antilipemic, cardiant, triglyceride, inotropic;
diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGTFTSDLSKOMEEEAVRLFIDWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                              Location/Qualifiers
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   aae08374 ; Exendin agonist peptide #21.
   (from "seq5ags.pep")
   TOIG of: aae08374 check: 9145 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 20; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001, 2001WO-US000719
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                                                                                   Exendin agonist peptide #20.
                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                   WO200151078-A1
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-2001
                                         01-NOV-2001
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                                                                                                                                                                                        Synthetic.
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AAE08373;
  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
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                                                                                                                                                                                                                                                                                                               Exendin agonist, antilipemic, cardiant, triglyceride; inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Check: 9476
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Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                'note= "Tertiary-butylglycine"
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Example 19; Page; 161pp; English.

to: 39

check: 9546 from: 1

AAE08373 standard; peptide; 39 AA

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match found in sequence:
aae08373 ; Exendin agonist peptide #20.
(from "seq5ags.pep")
TOIG of: aae08373 check: 9546 from:

|-----| HGEGTFTSDLSKQLEEEAVRLFXEFLKNGGPSSGAPPPS 1

Sequence 39 AA;

The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and duretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification

Sequence 39 AA;

AAE08369 Length: 39 February 4, 2005 13:32 Type: P Check: 9869 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFVEWLKNGGPSSGAPPPS

to: 39 check: 9430 from: 1 1 match found in sequence:
aee08370; Exendin agonist peptide #17.
(from "sea58gs.pep")
TOIG of: aae08370 check: 9430 from:

AAE08370 standard; peptide; 39 AA

AAE08370;

(first entry) 01-NOV-2001

Exendin agonist peptide #17.

Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO200151078-A1

19-JUL-2001

09-JAN-2001; 2001WO-US000719

10-JAN-2000; 2000US-0175365P

(AMYL-) AMYLIN PHARM INC

Young AA; Kolterman ÖG,

WPI; 2001-514422/56.

Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.

Example 17; Page; 161pp; English.

The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification

Check: 9915

Type: P

AAE08371 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

Sequence 39 AA;

HGEGTFTSDLSKQMEBEAVRLFXEWLKNGGPSSGAPPPS 1

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                             Type: P Check: 9430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "Tertiary-butylglycine"
                                                                                                                                                                                                                          to: 39
                                             AAE08370 Length: 39 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
                                                                                                            HGEGTFTSDLSKQLEEEAVRLFVEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "C-terminal amide"
                                                                                                                                                                                                                          check: 9915 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                           1 match found in sequence:
aae08371 ; Exendin agonist peptide #18.
                                                                                                                                                                                                                                                          AAE08371 standard; peptide; 39 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #18.
                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                           (from "seq5ags.pep"
TOIG of: aae08371
                Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200151078-A1
                                                               Found using 'seq5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Key
Modified-site
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                                                                                                                                                                                                                                                                                                                       01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Type: P Check: 9966
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HGEGTFTSDLSKQMEEEAVRLXIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             39 February 4, 2005 13:32 (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
aae08369 ; Exendin agonist peptide #16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08369 standard; peptide; 39 AA
                                                                                                                                                                                                        Example 15; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 16; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LO-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       check: 9869
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                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
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                                                             Kolterman OG, Young AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-514422/56.
                                                                                                     WPI; 2001-514422/56
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Found using 'seq5' (mo
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TOIG of: aae08369 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 39 AA;
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-JUL-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08369;
    Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08367 Length: 39 Pebruary 4, 2005 13:32 Type: P Check: 9299 Found using 'seq5' (mohamed337.key)
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/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKQXEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'note= "Naphthylalanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 9966 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aae08368; Exendin agonist peptide #15.
(from "seq5ags.pep")
TOIG of: aae08368 check: 9966 from:
                                                                                                                                                                                                                                                                                                                                                                                       Example 14; Page; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08368 standard; peptide; 39
                                                                                                                    09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                              10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                              Young AA;
                                                                                                                                                                                                                                                                                    WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
                                          WO200151078-A1
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                                                                                                                                                                                                                                            Kolterman OG,
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Modified-site
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                                                                              19-JUL-2001
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AAE08365;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08366 Length: 39 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                       "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |-----|
HGEGTFTSDLSKQXEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                              note= "Pentylglycine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "Pentylglycine"
39
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                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aae08367 ; Exendin agonist peptide #14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08367 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 13; Page; 161pp; English
                                                                                                                                                                                                                                                                                                            09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                     10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman OG, Young AA;
                                                                                                                                                                                       /note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq5ags.pep")
TOIG of: aae08367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39 AA;
                                                                                                                                                                                                                             WO200151078-A1
                                                                                                      Key
Modified-site
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Modified-site
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                                                                                                                                                                                                                                                                      19-JUL-2001.
                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match
    Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08365 Length: 39 February 4, 2005 13:32 Type: P Check: 9251
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDXSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                  /note= "Pentylglycine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 9724 from: 1
                                                                                                                                                                                                                                                                                         Location/Qualifiers
                       AAE08365 standard; peptide; 39 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aae08366 ; Exendin agonist peptide #13 (from "seq5ags.pep")
TOIG of: aae08366 check: 9724 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08366 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #13.
                                                                                                                                              Exendin agonist peptide #12
                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence, 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                   WO200151078-A1
                                                                                                                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-2001
                                                                                                      01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-JUL-2001
                                                                                                                                                                                                                                                   Synthetic.
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Check: 9724

to: 39

AAE08366;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            jonist; antilipemic; cardiant; triglyceride; inotropic;
coronary heart disease; dyslipidaemia.
                                                                                                                                               Check: 9617
                                                                                                                                             AAE08362 Length: 39 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                             to: 39
                                                                                                                                                                                                                HGEGTFTTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                               from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                     1 match found in sequence:
   aae08363 ; Exendin agonist peptide #10.
   (from "seq5ags.pep")
   TOIG of: aae08363 check: 9579 from:
                                                                                                                                                                                                                                                                                                                                                                                AAE08363 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 10; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            agonist;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 39 AA;
                                                                                                             Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200151078-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diuretic;
                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin
   88888888
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AAE08363 Length: 39 Pebruary 4, 2005 13:32 Type: P Check: 9579 Found using 'seq5' (mohamed337.key)

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial iriglyceride levels. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Type: P Check: 9690
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                                                                                                                    to: 39
HGEGTFTSELSKOMBERAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                            'note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTFTSDXSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08364 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                            'note= "Pentylglycine"
                                                                                                                   check: 9690 from: 1
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aae08365; Exendin agonist peptide #12.
(from "seq5ags.pep")
TOIG of: aae08365 check: 9251 from:
                                                             1 match found in sequence:
aae08364 ; Exendin agonist peptide #11
                                                                                                                                                      AAE08364 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 11; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                       Exendin agonist peptide #11
                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-514422/56.
                                                                                                    (from "seq5ags.pep")
TOIG of: aae08364 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200151078-A1
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Modified-site
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                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                    AAE08364;
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Type: P Check: 9610

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin sponist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |-----|
HGEGTFSTDLSKQMEBEAVRLFIEWLKNGGPSSGAPPFT
                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08361 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
   aae08362 ; Exendin agonist peptide #9.
   (from "seq5ags.pep")
   TOIG of: aae08362 check: 9617 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 9; Page; 161pp; English.
                                                                                         Example 8; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08362 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08362;
  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                triglyceride; inotropic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08360 Length: 39 February 4, 2005 13:32 Type: P Check: 9563 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist, antilipemic, cardiant, triglyce
diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 39
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HGEGTFSSDLSKQMBEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aae08361 ; Exendin agonist peptide #8.
                                                                                                                                                                                                                                                                                                                                     Example 7; Page; 161pp; English
                                           09-JAN-2001; 2001WO-US000719
                                                                                       10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-NOV-2001 (first entry)
                                                                                                                                 (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                               Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA;
                                                                                                                                                                                                                           WPI; 2001-514422/56.
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TOIG of: aae08361 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200151078-A1
                                                                                                                                                                               Kolterman OG,
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Modified-site
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19-JUL-2001
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inciropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                             /note= "C-terminal amide"
                                                                   /note= "Naphthylalanine"
                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                       Example 6; Page; 161pp; English
                                                                                                                                                                                  09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                             10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                      Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 39 AA;
                                                                                                                          WO200151078-A1
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                                                                                                                                                      19-JUL-2001.
             Synthetic
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptides sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; dinretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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HGDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
1
                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                       Location/Qualifiers
39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from: 1
          standard; peptide; 39 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08359 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aae08359 ; Exendin agonist peptide #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 5; Page; 161pp; English
                                                                                                                                                                                                                                                                                                                                           10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                              09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               check: 9678
                                                                                             Exendin agonist peptide #5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #6
                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                   Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (from "seq5ags.pep")
TOIG of: aae08359 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
                                                                                                                                                                                                                                                       WO200151078-A1
                                                                                                                                                                                                Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman OG,
                                                                 01-NOV-2001
                                                                                                                                                                                                                                                                                  19-JUL-2001
                                                                                                                                                                    Synthetic
           AAE08358
                                      AAE08358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08359
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Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
AAE08359 Length: 39 February 4, 2005 13:32 Type: P Check: 9678 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                to: 39
                                                                                                           HGEGTXTSDLSKOMEEBAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                check: 9563 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
39
                                                                                                                                                                                                                         1 match found in sequence:
    aae08360 ; Exendin agonist peptide #7.
    [from 'seq5ags.pep")
    TOIG of: aae08360 check: 9563 from:
                                                                                                                                                                                                                                                                                                                                                                     AAE08360 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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Page 193

seq5_ags.res

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exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                       :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                               AAE08355 Length: 39 February 4, 2005 13:32 Type: P Check: 9145 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                to: 39
                                                                                                                                                                                                                                                      HGEGTFTSDLSKQMEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08356 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                            l match found in sequence:
aae08356; Exendin agonist peptide #3.
(from "seq5ags.pep")
TOIG of: aae08356 check: 9587 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 3b; Page; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA;
                                                                                                                                                  Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08356;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of
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AAE08356 Length: 39 February 4, 2005 13:32 Type: P Check: 9587

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incircipic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                      Exendin agonist, antilipemic; cardiant, triglyceride, inotropic; dinretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Type: P Check: 9804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 39
                                                                                                                                                                   to: 39
                                   |-----|
YGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08357 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 9567 from: 1
                                                                                                                                                                       from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                       AAE08357 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
    aae08358 ; Exendin agonist peptide #5.
    (from "seq5ags.pep")
    TOIG of: aae08358 check: 9567 from:
                                                                                                                  1 match found in sequence:
   aae08357 ; Exendin agonist peptide #4.
   (from "seq5aqs.pep")
   TOIG of: aae08357 check: 9804 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 4; Page; 161pp; English.
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #4.
                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG,
                                                                                                                                                                                                                                                                          01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                        AAE08357;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                           Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist, antilipemic, cardiant, triglyceride, inotropic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08354 Length: 39 February 4, 2005 13:32 Type: P Check: 9556 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diuretic, coronary heart disease, dyslipidaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |-----|
HGEGTFTSDLSKQLEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      check: 9145 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08355 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . match found in sequence:
aae08355; Exendin agonist peptide #2.
(from "seq5ags.pep")
TOIG of: aae08355 check: 9145 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 3a; Page; 161pp; English
                                                                                                                           Example 2; Page; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56.
                    WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08355;
The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is Heloderma suspectum modified exendin-4 peptide which
                                                                                                                                                                                                                                                                                                                        Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Check: 9131
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| HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08353 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                           Claim 13; Page 14; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08354 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          natch found in sequence:
aae08354 ; Exendin agonist peptide #1.
(from "seq5ags.pep")
                                                                                                      09-JAN-2001; 2001WO-US000719
                                                                                                                                               10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               is an agonist of exendin
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                                                                                                                                                                                                                                    Young AA;
                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 39 AA;
                  WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200151078-A1
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                                                                                                                                                                                                                                      Kolterman OG,
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                                                           19-JUL-2001
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Synthetic

AAE08354;

01-NOV-2001 (first entry)

28

match found in sequence:

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Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
aae08351 ; Heloderma suspectum exendin-4 peptide (residues 1-30) amide.
                                                                               Heloderma suspectum exendin-4 peptide (residues 1-30) amide.
                to: 30
                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                  Location/Qualifiers
                from: 1
                               AAE08351 standard; peptide; 30 AA
                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P
                 check: 4889
                                                                 (first entry)
                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                       Heloderma suspectum
        (from "seq5ags.pep")
TOIG of: aae08351 cl
                                                                                                                                                                      WO200151078-A1
                                                                                                                                              Modified-site
                                                                 01-NOV-2001
                                                                                                                                                                                     19-JUL-2001
                                                AAE08351;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.

Young AA;

Kolterman OG,

WPI; 2001-514422/56.

Claim 13; Page 56; 161pp; English.

The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is an agonist of exendin, exendin-4 amide (residues 1-30) from Heloderma suspectum

Sequence 30 AA;

AAE08351 Length: 30 February 4, 2005 13:32 Type: P Check: 4889 Found using 'seq5' (mchamed337.key)

HGEGTFTSDLSKOMEEEAVRLF1EWLKNGG

match found in sequence: aae08352 ; Heloderma suspectum modified exendin-4 amide peptide (residues 1-28 ë 151 check: (from "seq5ags.pep") TOIG of: aae08352 c

AAE08352 standard, peptide; 28 AA

AAE08352; SXXX

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels present sequence is Heloderma suspectum modified exendin-4 amide (residues 1-28) which is an agonist of exendin
                       Heloderma suspectum modified exendin-4 amide peptide (residues 1-28)#1.
                                                        Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 14; 161pp; English.
                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                          09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                       Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-514422/56.
                                                                                                              Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA
                                                                                                                                                                                                             WO200151078-A1
                                                                                                                                                          Modified-site
                                                                                                                                                                                                                                           19-JUL-2001.
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match found in sequence: aae08353 ; Heloderma suspectum modified exendin-4 peptide. HGEGTFTSDLSKQLBEEAVRLAIBFLKN 1

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AAE08352 Length: 28 February 4, 2005 13:32 Type: P Check: 151 Found using 'seq5' (mohamed337.key)

check: 9131 from: 1 AAE08353 standard; peptide; 39 AA (first entry) (from "seq5ags.pep") TOIG of: aae08353 c 01-NOV-2001 AAE08353

Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia. Location/Qualifiers Heloderma suspectum Key Modified-site

/note= "C-terminal amide"

Heloderma suspectum modified exendin-4 peptide.

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01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                              19-JUL-2001
                                                                                                                                                                                                                                                                         AAE08350;
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                                                                                                               AAE08346
                                                                                                                                                                                               match
888888888
                                                                                                                                                                                                                                                     Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is exendin-3 peptide from Heloderma horridum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic;
coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                     AAE08345 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 
ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aae08346 ; Heloderma suspectum exendin-4 peptide.
                                                                                                                                                                                                                                                                                                                                                                     to: 39
                                                                                                                                                                                                                                                                                             HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Heloderma suspectum exendin-4 peptide.
                                                                                                                                                                                                                                                                                                                                                                    from: 1
                                                                                                               Disclosure; Page 10; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
39
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                                                                                                                                                                                                                                                                                                                                                                                         AAE08346 standard; peptide; 39
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10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                     check: 9570
                                                                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-2001 (first entry)
                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA;
                                        Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma suspectum
                                                             WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                           (from "seq5ags.pep")
TOIG of: aae08346 c
                                                                                                                                                                                                                                Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200151078-A1
                                         Kolterman OG,
                                                                                                                                                                                                                                                                Found using 'seq5'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman OG,
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                                                                                  Use of
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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is an agonist of exendin, exendin-4 (residues 1-30) from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incircopic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They besent sequence is exendin-4 peptide from Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                         Check: 9570
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aae08350 ; Heloderma suspectum exendin-4 peptide (residues 1-30).
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HGEGTFTSDLSKQMEERAVRLPIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                             39 February 4, (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           found in sequence:
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TOIG of: aae08350 c
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Found using 'seq5'
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The invention is directed towards the amelioration of organ tissue injury caused by reperfusion of blood flow after ischemia. The method involves administering a composition containing a compound which binds to a receptor for glucagon-like peptidel (GLP-1) in a carrier. GLP-1 effectively enhances peripheral glucose uptake without inducing dangerous hypoglycemia. GLP-1 strongly suppresses glucagon secretion, independent of its insuliniotropic action and powerfully reduces plasma free fatty, acid (FRA) level having major toxic mechanism during myocardial ischemia, substantially more than can be accomplished with insulin. The method is unithout side effects normally attendant with therapies presently available. GLP-1 suppresses paracrine by intra-islet release of insulin or somatostatin. GLP-1 is unique in its capacity to simultaneously stimulate insulin secretion and inhibit glucagon release. The present sequence represents a gila monster venom exendin 4 peptide fragment, homologous to a mammalian GLP-1 peptide fragment
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                                                                                                                                                                                                                                                                                                                         Metabolic intervention with GLP-1 improves function of ischemic and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB85927 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aae08345; Heloderma horridum exendin-3 peptide.
(from seq5ags.pep.)
TOIG of: aae08345 check: 9591 from: 1 to: 39
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                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Col 7-10; 10pp; English.
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                                                                                         99US-00302596
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                                                                                                                                                                                    (BION-) BIONEBRASKA INC
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Modified-site
US6284725-B1.
                                                                                         30-APR-1999;
                                                                                                                                      08-OCT-1998;
                                                                                                                                                                                                                                Coolidge TR,
                                             04-SEP-2001.
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The invention is directed towards the amelioration of organ tissue injury caused by reperfusion of blood flow after ischemia. The method involves administering a composition containing a compound which binds to a receptor for glucagon-like peptide-1 (GLP-1) in a carrier. GLP-1 effectively enhances peripheral glucose uptake without inducing dangerous hypoglycemia. GLP-1 strongly suppresses glucagon secretion, independent of its insuliniotropic action and powerfully reduces plasma free fatty substantially more than can be accomplished with insulin. The method is without side effects normally attendant with therapies presently available GLP-1 suppresses paracrine by intra-islet release of insulin stimulate insulin secretion and inhibit glucagon release. The present sequence represents a gill monster venom exendin 3 peptide fragment,
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Metabolic intervention with GLP-1 improves function of ischemic and reperfused tissue.
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aab85927; Gila monster venom exendin 4 peptide fragment.
(from "seq5ags.pep")
TOIG of: aab85927 check: 9570 from: 1 to: 39
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                                                                 /note= "C-terminal amide"
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            Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                 Coolidge TR, Ehlers MRW;
                                                                                                                                                                                                                                                                                                   (BION-) BIONEBRASKA INC.
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                        Key
Modified-site
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Modified-site
                                                                                                                                                                                                                                                        08-OCT-1998;
                                                                                                                                                                                                          30-APR-1999;
                                                                                                              US6284725-B1
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AAB85927;

99US-0143591P. 99EP-00610043.

12-JUL-1999; 09-AUG-1999;

Mikkelsen JD,

Larsen BD,

WPI; 2001-159381/16.

(ZEAL-) ZEALAND PHARM AS

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Target of execution configurations of positions 34-39 or a Lype at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent. X is covalently bound to Z, a peptide sequence of 1-4-20 amino acids. Each amino acid in Z is selected from A, L, S, T, Y, N, C (1-6) - R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl and amino acid units of formula -NH-C(R1) (R2)-(C1-6) - R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl and phenyl methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl c1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2, 4-diaminobutanoic acid and 2,3-diaminobropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin censisted with elevated blood glucose levels elicited by hormones known censisted with elevated blood glucose levels elicited by hormone show adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for centing plasma lipid level, and for reducing mortality and morbidity
                         Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                                                                                                          The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys
                                                                                                                                                Claim 23; Page 67; 83pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   after myocardial infarction
                                                                                      and eating disorders.
```

Sequence 37 AA;

February 4, 2005 13:32 Type: P Check: 3404 (mohamed337.key) AAB69989 Length: 37 Found using 'seq5' (mo

HGEGTPTSDLSKQMBBERAVRLFIEWLKNGGPSSGAPS

1 match found in sequence: aab69990 ; des Pro36-des Pro37-des Pro 38-exendin-4(1-39)-NH2. to: 36 from: 1 (from "seq5ags.pep") TOIG of: aab69990 check: 441

AAB69990;

AAB69990 standard; peptide; 36 AA.

02-MAY-2001 (first entry)

des Pro36-des Pro37-des Pro 38-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin captusing 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a cide in Each amino acide. Each amino acide in Z is selected from A, L, S, T, Y, N, C, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-CC (-6)-. R1 and R2 are selected from H, C.1-6-alkyl, phenyl and phenyl methyl, where Cl-6-alkyl is optionally substituted with 1-3 selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and phenyl and phenyl methyl are optionally substituted with 1-3 substituents selected from C.1-6-alkyl, C.2-6-alkenyl, halogen, hydroxy, cc arboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C.1-6-alkyl, C.2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the cromposition they are bound, form a cyclopentyl cyclohexyl, cc amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the proviso that X is not exendin-4 or exendin-3. The composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hypersylycaemia, metabolic conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hypersylycaemia, metabolic cargated with elevated blood glucose levels, such as catechol amines including cregulation of gastric emptying, for stimulating including level, and for reducing mortality and morbidity cregulation of gastric emptying, for stimulant elevation of setter myocardial infarction Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity Claim 23; Page 67; 83pp; English and eating disorders.

Sequence 36 AA;

AAB69990 Length: 36 February 4, 2005 13:32 Type: P Check: 441 Found using 'seq5' (mohamed337.key)

HGEGTPTSDLSKOMBERAVRLFIEWLKNGGPSSGAS

AAB85925 standard; peptide; 39 AA. AAB85925;

Gila monster venom exendin 3 peptide fragment.

(first entry)

30-NOV-2001

GLP-1; organ tissue; injury; reperfusion; ischemia; glucose; exend glucagon-like peptide-1; vasotropic; antiarrhythmic; antidiabetic; gila monster; venom.

Heloderma suspectum

c(R1)(R2)-C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from Alogen, hydroxy, and phenyl and phenyl methyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, alogen, hydroxy, amino, cyano, nitro, and carboxy, or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cycloheptyl ring, e.g. 2,4-diamin Sequence 48 AA;

AAB69983 Length: 48 February 4, 2005 13:32 Type: P Check: 8664 Found using 'seq5' (mohamed337.key)

NEEEEEHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGASKKKKKK

match found in sequence: aab69984 ; des Pro36, Pro37, Pro38-exendin-4(1-39)-(Ly8)6-NHZ. to: 42 check: 8216 from: 1 (from "seq5ags.pep") TOIG of: aab69984 cl

AAB69984 standard; peptide; 42 AA

02-MAY-2001 (first entry)

des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammarcry; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gaetric disease; mycoardial infarction.

Synthetic

WO200104156-A1

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

99EP-00610043. 99US-0143591P. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 67; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X)

which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position CC 40 having a lipophilic substituent, a glucagon-like peptide (GIP-1) (7-36) or GIP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently cound to the variant. Each amino acid in Z is selected form A, L, S, T, Y, M, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI) (R2)-C(=0)-. R1 and R2 are selected from H, CI-6-alkyl, phenyl and phenyl-methyl-, where CI-6-alkyl is optionally substituted with 1-3 substituents selected from H, CI-6-alkyl, phenyl and phenyl-methyl-, where CI-6-alkyl is optionally substituted with 1-3 substituents selected from A carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from CI-6-alkyl, CZ-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclopetryl, cyclohexyl, or Cycloheptyl ring, e.g. 2,4-diaminobutanoic cacid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or cycloheptyl ring, e.g. 2,4-diaminobutanoic cacid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechin amines including adrenalin, glucorether papels of plucagon. It is useful in respectation of gastric empeying for reducing plasma lipid level, and for reducing plasma lipid level, and for reducing correlating plasma lipid le

Sequence 42 AA; 88888888888888888888888888888888888

AAB69984 Length: 42 February 4, 2005 13:32 Type: P Check: 8216 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGASKKKKKK

aab69989 ; des Pro36-des Pro37-exendin-4(1-39)-NH2. to: 37 check: 3404 from: 1 1 match found in sequence: (from "seq5ags.pep") TOIG of: aab69989 c

AAB69989;

AAB69989 standard; peptide; 37 AA

02-MAY-2001 (first entry)

des Pro36-des Pro37-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16

catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gaerric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction 8888888

Sequence 42 AA;

AAB69981 Length: 42 February 4, 2005 13:32 Type: P Check: 8189 Found using 'seq5' (mohamed337.key)

|-----| NEEEEEHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAS

. match found in sequence: aab65982; [Lys] 6-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2. (from "seq5ags.pe-qp") TOIG of: aab69982 check: 8781 from: 1 to: 48

AAB69982 standard; peptide; 48 AA

AAB69982;

02-MAY-2001 (first entry)

(Lys)6-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic

WO200104156-A1

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043. .2-JUL-1999;

09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Larsen BD, Mikkelsen JD,

Neve 5;

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34-39 or a Lys at position
confidence of the sequence of the sequence of the septide (GLP-1) (736) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
isoburyric acid for Ala at position 8 and/or having a lipophilic
substituent, and Z, a peptide sequence of 4-20 amino acids covalently
bound to the variant. Each amino acid in Z is selected from A, L, S, T,
Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NHc(R1) [R2)-(G-G)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and
phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3
substituents selected from halogen, hydroxy, amino, cyano, nitro,
sulfono, and carboxy, and phenyl and phenylmethyl are optionally
alogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and
R2, together with the carbon atom to which they are bound, form a
cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic

acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or parendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels elicited by hormones known to increase blood glucose levels elicited by normones and catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction 888888888888888

Sequence 48 AA;

AAB69982 Length: 48 February 4, 2005 13:32 Type: P Check: 8781 Found using 'seq5' (mohamed337.key)

KKKKKKKGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGASKKKKKK

. match found in sequence: aab69983 ; Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2. to: 48 check: 8664 from: 1 (from "seq5ags.pep") TOIG of: aab69983

AAB69983 standard; peptide; 48 AA

AAB69983;

02-MAY-2001 (first entry)

Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lya at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-

Fri Feb

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-2 deletions at positions 34-39 or a Lys at position 36. Or a Lys at position 26. Sebelian at least 90 % homologous to a Lys at position 36. Or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-50 % or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino consistent and Z. a peptide sequence of 4-20 amino acide covalently consistent, and Z. a peptide sequence of 4-20 amino acide covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (R1) (R2)-C(-6)-. R1 and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with l-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally cyclopentyl, or cycloheptyl ring, e.g. 2.4-diaminobutanoic consultance with h-3 substituent atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2.4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cycloheptyl ring, e.g. 2.4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the provise that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disease states associated with elevated blood glucose levels electiced by hormones known to increase blood glucose levels, such as creachly and morbidity after myocardial infarction and for reducing plasma lipid level, and for reducing constituents plasma lipid level, and for reducing plasma lipid level, and for reducing plasma lipid levels and carboxy. Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucese and for treating diseases like diabetes, obesity and eating disorders. Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; mycoardial infarction. aab69980 ; (Lys)6-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2 [Lys) 6-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2. to: from: 1 Neve S; AAB69980 standard; peptide; 42 AA Claim 22; Page 66; 83pp; English. 99US-0143591P. 99EP-00610043. 12-JUL-2000; 2000WO-DK000393. check: 8306 Mikkelsen JD, (first entry) (ZEAL-) ZEALAND PHARM AS WPI; 2001-159381/16. (from "seq5ags.pep") TOIG of: aab69980 c Sequence 42 AA; WO200104156-A1. 12-JUL-1999; 09-AUG-1999; 02-MAY-2001 18-JAN-2001 Larsen BD, Synthetic. AAB69980;

AAB69980 Length: 42 February 4, 2005 13:32 Type: P Check: 8306

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The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34-39 or a Lys at position
40 having a lipophilic substituent, a jouragon-like peptide (GLP-1) (7-
36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
to substituent, and Z, a peptide sequence of 4-20 amino acids covalently
bound to the variant. Each amino acid in Z is selected from A, L, S, T,
Y, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-
CC (R1) (R2)-(C-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and
phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3
substituents selected from halogen, hydroxy, amino, cyano, nitro,
substituted with 1-3 substituents selected from (2-6-alkyl), C2-6-alkenyl,
cubstituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl,
cubstituted with the carbon, and carboxy, or R1 and
CC cald and 2,3-diaminopropancic acid or its salt, or the C-terminal amide
cC cof the peptide conjugate with the proviso that X is not exendin-4 or
exendin-3. The peptide conjugate is useful in the manufacture of a
pharmaceutical composition for use in treatment of type 1 or type 2
diabetes, insulin resistance syndrome, obesity, etting disorder,
cycloseria, metabolic disorders and gastric disease. It is useful for
treating disease states associated with elevated blood glucose levels
clicited by hormones known to increase blood glucose levels, such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.
                                                                                                                                                       1 match found in sequence:
    aab69981 ; Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2.
    (from "seq5ags.pep")
    TOIG of: aab69981 check: 8189 from: 1 to: 42
                                                                                                                                                                                                                                                                                                                                                                                                                              Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2.
                                                                   KKKKKKKHGEGTFTSDLSKOMBEEAVRLFIEWLKNGGPSSGAS
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                                                                                                                                                                                                                                                                                      AAB69981 standard; peptide; 42 AA
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mikkelsen JD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and eating disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-159381/16.
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                                                                                                                                                                                                                                                                                                                                                                                    02-MAY-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Larsen BD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                     AAB69981;
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The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position of D-Ala, Gly or lipophilic substitutent. X is covalently bound to Z, a peptide sequence of 11pophilic substituent. X is covalently bound to Z, a peptide sequence of C(4-D) - R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-cc C(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-cc C(-6)-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amd phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, phenylmethyl, halogen, hydroxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amd phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, c2-6-alkenyl, halogen, hydroxy, amd phenyl and phenylmethyl are optionally substituents selected from C1-6-alkyl, c2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with C2 substituents selected from C1-6-alkyl, c2-6-alkenyl, halogen, ylonenyl, cc conjugate with they are bound, form a cyclopentyl, cyclohetyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diabetes, insulin created conjugate is useful in the manufacture of a pharmaceutical composition for useful in the manufacture of a pharmaceutical composition for useful in the manufacture of a pharmaceutical composition for useful in the manufacture of a pharmaceutical composition for useful in the manufacture of a pharmaceutical composition dasarric disease. It is useful for treathyl dasase states as states and caracted with elevated blood glucose levels, such as catechol amines including cegariation of gastric emptying, for stimulating of cr
                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 6; Page 62; 83pp; English.
                                                                                                                                                                      12-JUL-2000; 2000WO-DK000393.
                                                                                                                                                                                                                    99US-0143591P.
99EP-00610043.
                                                                                                                                                                                                                                                                                                                                            Larsen BD, Mikkelsen JD,
                                                                                                                                                                                                                                                                                         (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-159381/16.
                                                                     WO200104156-A1.
                         Unidentified.
                                                                                                                                                                                                                    12-JUL-1999;
                                                                                                                                                                                                                                                09-AUG-1999;
                                                                                                                        18-JAN-2001
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AAB69971 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seq5' (mohamed337.key) |-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS Sequence 39.AA;

. match found in sequence: aab69979; des Pro36, Pro37-exendin-4(1-39)-(Lys)6-NH2. (from "seq5ags.pep") TOIG of: aab69979 check: 441 from: 1 to: 36

AAB69979 standard; peptide; 36 AA. AAB69979;

des Pro36, Pro37-exendin-4(1-39)-(Lys)6-NH2. 02-MAY-2001 (first entry)

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

.8-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34.39 or a Lys at position (4) having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, M, Q, D, G, K, R, M, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituents selected from halogen, hydroxy, and naino, cyano, nitro, sulfono, and carboxy, and phenyl and phenyl-methyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and R2 are selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and C2 cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-3. The peptide conjugate is useful in the manufacture of a shown in an antiacture of a shown in a carbox or and and an antiacture of a characture of a shown in a carbox or and and an antiacture of a characture of diabetes, insulin resistance syndrome, obssity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction

AAB69979 Length: 36 February 4, 2005 13:32 Type: P Check: 441 Found using 'seq5' (mohamed337.key)

Sequence 36 AA;

|-----| HGEGIFISDLSKQMEEEAVRLFIEWLKNGGPSSGAS

1 match found in sequence:

Fri Feb

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The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of cerendin comprising 1-5 deletions at positions 34-39 or a Lys at position 20. CC 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic cubstituent, and Z. a peptide sequence of 4-20 amino acids covalently covalently and to the variant. Each amino acid in Z is selected from A, L, S, T, Y, M, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI) (RI2)-(-60)-. RI and R2 are selected from H, Cl-6-alkyl, phenyl and phenylmethyl and phenylmethyl are cl-6-alkyl, phenyl and phenylmethyl are optionally substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenylmethyl are optionally substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, substituted with 1-3 substituents aclected from Cl-6-alkyl, C2-6-alkenyl, cyclopentyl, cyclohetyl or cyclohetyl ring, e.g. 2,4-diaminobutanoic cord and a 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohetyl, ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohetyl, ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the provise that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a cyclopentyl, cyclohetyl, or use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disease states associated with elevated blood glucose levels createding disease states associated with elevated blood glucose levels catechol maines including adtreament and glacatic emptying placenting plasase. It is useful in release, for lowering pla
                                                          Novel peptide agonist of Glucagon-like peptide, useful for decreasing tl
level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                                                                                     Claim 24; Page 67; 83pp; English.
                                                                                                                       and eating disorders.
WPI; 2001-159381/16
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Sequence 45 AA;

AAB69968 Length: 45 February 4, 2005 13:32 Type: P Check: 8695 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPSKKKKKK

to: 44 . match found in sequence: aab69969; des Pro36-exendin-4(1-39)-(Lys)6-NH2. (from "seq5age.pep") TOIG of: aab69969 check: 5122 from: 1 to: 44

AAB69969 standard; peptide; 02-MAY-2001 (first entry) AAB69969;

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction. des Pro36-exendin-4(1-39)-(Lys)6-NH2. 44 AA

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The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to excendin-4, a variant of excendin comprising 1-5 deletions at positions at 34.39 or a lys at position 40 having a lipophilic substitution of D-Ala, Gly or alpha-amino 56 or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino comprisition of an apptide sequence of 4-20 amino acids covalently cond to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-cc (RI)(R2)-(-6)-. RI and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from Cl-6-alkyl, c2-6-alkenyl, substituted with 1-3 substituents selected from Cl-6-alkyl, c2-6-alkenyl, substituted with 1-3 substituents selected from Cl-6-alkyl, c2-6-alkenyl, capether with the carbon of tro, sulfono, and carboxy, and phenyl and phenylmethyl are obtionally cyclopentyl, cyclopentyl, cyclopenyl, or cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopetyl ring, e.g. cyclopetyl ring, e.g. c
                                                                                                                                                                                                                                                                         Novel peptide agonist of Glucagon-like peptide, useful for decreasing the
level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           insulin release, for lowering plasma lipid level, år
mortality and morbidity after myocardial infarction
                                                                                                                                                              Neve S;
                                                                                                                                                                                                                                                                                                                                                                                      Claim 27; Page 68; 83pp; English
                       99US-0143591P.
99EP-00610043.
                                                                                                                                                              Mikkelsen JD,
                                                                                                          (ZEAL-) ZEALAND PHARM AS.
                                                                                                                                                                                                                                                                                                                                  and eating disorders.
                                                                                                                                                                                                                     WPI; 2001-159381/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 44 AA;
                         12-JUL-1999;
09-AUG-1999;
                                                                                                                                                              Larsen BD,
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4, 2005 13:32 Type: P Check: 5122 AAB69969 Length: 44 February 4, Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPSKKKKKK I match found in sequence:

to: 39

check: 9570 from: 1

aab69971 ; Exendin-4(1-39).

(from "seq5ags.pep") TOIG of: aab69971 c

AAB69971 standard; peptide; 39 AA (first entry) Exendin-4 (1-39). 02-MAY-2001 AAB69971; MARKE KEKAKAKA MARKE KAKAKAKA MARKE KAKAKAKA

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

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CC Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1)(R2)-CC C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-CC methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from C1-6-alkyl, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 corporation nitro, sulfono, and carboxy, or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, cr cycloheptyl ring, e-g. 2, 4-diaminobutanoic acid and 2,3-cdiaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The composition for use in treatment of type 1 or type 2 diabetes, insulin creatstance syndrome, obesity, eating disorder, hyperalycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating mortality and morbidity clowering plasma lipid level, and for reducing mortality and morbidity at after myocardial infarction
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Sequence 39 AA;

AAB69966 Length: 39 Pebruary 4, 2005 13:32 Type: P Check: 9897 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGPPPSK

match found in sequence:
aab69967, ides Pro39 (Lys40 (palmitoyl) exendin-4 (1-39) -NH2.
(from "seq5ags.peop")
TOIG of: aab69967 check: 9372 from: 1 to: 39 1 match

des Pro36-(Ly840(palmitoyl)exendin-4(1-39)-NH2. AAB69967 standard; peptide; 39 AA 02-MAY-2001 (first entry) AAB69967;

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 23; Page 67; 83pp; English

the present sequence the pepting of a component of a movel pepting conjugate. X is an exendin at least 90 % homologous to exendin 4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (CID-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent of D-Ala, IJ, S, T, Y, N, CC (1), G, K, R, H, M, Orn, and amino acid units of formula -NH-C(RI) (R2)-CC 1: pophilic substituent. X is covalently bound to Z, a peptide sequence of C 4-20 amino acids. Each amino acid units of formula -NH-C(RI) (R2)-CC (-6)-R). RI and R2 are selected from H, CI-6-alkyl, phenyl and phenyl-cc c (-6)-R). RI and R2 are selected from Alabora, nation, cyano, nitro, sulfono, and carboxy, or R1 and R2, together with 1-3 substituents selected from CI-6-alkyl, are optionally substituents with 1-3 carboxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, c amino, cyano, nitro, sulfono, and carboxy, or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, cc diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type I or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic composition for use in treatment of type I or type 2 diabetes, insulin composition for use in treatment of type I or type 2 diabetes including associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including associated with elevated blood glucose levels elicited by hormones kernel lowering plasma lipid level, and for reducing mortality and morbidity composition in infarction The present sequence is peptide X, a component of a novel peptide Sequence 39 AA;

AAB69967 Length: 39 February 4, 2005 13:32 Type: P Check: 9372 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPSK

to: 45 from: 1 AAB69968 standard; peptide; 45 AA. 1 match found in sequence: aab69968 ; Exendin-4(1-39)-(Lys)6-NH2. check: 8695 02-MAY-2001 (first entry) (from "seq5ags.pep") TOIG of: aab69968 c AAB69968;

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; earning disorder; hyperglycaemia; metabolic disorder; astric disease; myocardial infarction.

Exendin-4 (1-39) - (Lys) 6-NH2.

Synthetic.

WO200104156-A1.

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Mikkelsen JD, Larsen BD,

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The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 4.0 at least 90 % homologous to exendin-4, a to variant of exendin comprising 1-5 deletions at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent. X is covalently bound to Z, a peptide sequence of 1.0 D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-C(-0). R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from Anlogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, c2-6-alknyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel peptide agonist of Glucagon-like peptide, useful for decreasing tlevel of blood glucsse and for treating diseases like diabetes, obesity and eating disorders.
                 adrenalin, glucocorticoids, growth hormone and glucagon. It is useful regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction
to increase blood glucose levels, such as catechol amines including
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic;
                                                                                                                                                                        Type: P Check: 6768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.
                                                                                                                                                                                                                                                                                                                                                                     aab69965 ; des Gly34-(Lys40(palmitoyl)exendin-4(1-39)-NH2.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      des Gly34-(Ly840(palmitoyl)exendin-4(1-39)-NH2
                                                                                                                                                                                                                                                                                                                                                                                                                  to: 39
                                                                                                                                                                        AAB69964 Length: 38 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                              HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Larsen BD, Mikkelsen JD, Neve S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB69965 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                check: 9693
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                                                                                                                                                                                                                                                                                                                                               1 match found in sequence:
                                                                                                                             Sequence 38 AA;
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                                                                                                                                                                                                 Found using 'seq5'
                                                                                                                                                                                                                                                                                                                                                                                                                TOIG of: aab69965
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
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or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorder and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in requlation of gastric embtying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a paptide sequence of 11pophilic substituent. X is covalently bound to Z, a peptide sequence of 4-20 amino acids. Each amino acid in Z is selected from A, L, S, T, Y, N,
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                                                                                                                                                                                                                                                                                                                                                              AAB69965 Length: 39 February 4, 2005 13:32 Type: P Check: 9693 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
ash65966 ; des Ala55-[Ly840(palmitoyl)exendin-4(1-39)-NH2.
(from "seq5ag.pep")
TOIG of: aab69966 check: 9897 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         des Ala35-(Lys40(palmitoyl)exendin-4(1-39)-NH2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSAPPPSK
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                                                                                                                                                                                                                                                                                                                       Sequence 39 AA;
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09-AUG-1999;
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Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                      Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic;
                                                                                                                           antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.
                            to: 38
match found in sequence:
aab69963 ; des Ala35-exendin-4(1-39)-NH2.
                           check: 6972 from: 1
                                                                                                                                                                                                                                                                                      Larsen BD, Mikkelsen JD, Neve S;
                                              AAB69963 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                                                              Claim 23; Page 67; 83pp; English.
                                                                                                  des Ala35-exendin-4(1-39)-NH2.
                                                                                                                                                                                                                       12-JUL-2000; 2000WO-DK000393.
                                                                                                                                                                                                                                          99US-0143591P.
99EP-00610043.
                                                                                02-MAY-2001 (first entry)
                                                                                                                                                                                                                                                                    (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                                                                                                            and eating disorders.
                                                                                                                                                                                                                                                                                                        WPI; 2001-159381/16.
                   (from "seq5ags.pep")
TOIG of: aab69963 c
                                                                                                                                                                                    WO200104156-A1.
                                                                                                                                                                                                                                          12-JUL-1999;
                                                                                                                                                                                                                                                   09-AUG-1999;
                                                                                                                                                                                                     18-JAN-2001
                                                                                                                                                                  Synthetic.
                                                                AAB69963;
         aab69963 ;
```

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substitutent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, GLY or lipophilic substituent. X is covalently bound to Z, a peptide sequence of (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, GLY or lipophilic substituent. X is covalently bound to Z, a peptide sequence of (C-0) - R1 and R2 are selected from H, L, S, T, Y, N, C, Y, M, M, Orn, and amino acid units of formula -NH-C(R1) R2)-C (C-0) - R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl and phenyl and phenyl and phenyl methyl substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and R2, together with the carbon atom to which they are bound, form a cycloheptyl ring, e.g. 2, 4-diaminobutanoic acid and 2,3-crycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-crycloheptyl e.g. 2,4-diaminobutanoic acid an adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity lowering plasma lipid level

Sequence 38 AA;

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AAB69963 Length: 38 February 4, 2005 13:32 Type: P Check: 6972 Found using 'seq5' (mohamed337.key)
```

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|-----| .
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPS
```

match found in sequence: aab69964 ; des Gly34-exendin-4(1-39)-NH2

```
Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obselty; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; mycardial infarction.
       to: 38
      check: 6768 from: 1
                                                                                                                                                                                                               Larsen BD, Mikkelsen JD, Neve S;
                      AAB69964 standard; peptide; 38 AA.
                                                                 des Gly34-exendin-4(1-39)-NH2.
                                                                                                                                                             12-JUL-2000; 2000WO-DK000393.
                                                                                                                                                                           99US-0143591P.
                                                 02-MAY-2001 (first entry)
                                                                                                                                                                                                 (ZEAL-) ZEALAND PHARM AS.
                                                                                                                                                                                                                             WPI, 2001-159381/16.
(from "seq5ags.pep")
TOIG of: aab69964 cl
                                                                                                                                 WO200104156-A1
                                                                                                                                                                           12-JUL-1999;
09-AUG-1999;
                                                                                                                                               18-JAN-2001.
                                                                                                                   Synthetic.
                                    AAB69964;
```

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity

Claim 23; Page 67; 83pp; English.

and eating disorders.

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or lipophilic substituent. X is covalently bound to Z, a peptide sequence of 1-20 amino acids. Each amino acid in Z is selected from A, L, S, T, Y, N, CC Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-CC (1-0)-. R1 and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl are cyclonally substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, on R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, cr cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-cr cycloheptyl ring, e.g.

```
The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34-39 or a Lys at position
40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-
36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
consider and Z, a peptide sequence of 4-20 amino acids covalently
consider and Z, a peptide sequence of 4-20 amino acids covalently
consider and Z, a peptide sequence of 4-20 amino acids covalently
consider and Z, a peptide sequence of 4-20 amino acids covalently
consider and Z, a ser selected from H, Cl-6-alkyl, phenyl and
consider and R, A, A, B, T, Y, M, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-
cc (RI) (RI) (R2)-C(=6)-. RI and R2 are selected from H, Cl-6-alkyl, phenyl and
chenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3
cubstituents selected from halogen, hydroxy, amino, cyano, nitro,
substituents selected from alogen, hydroxy, amino, cyano, nitro,
substituted with 1-3 substituents aslected from Cl-6-alkyl, C2-6-alkenyl,
consider hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and
cc substituted with 1-3 substituents acletted from Cc cald and 2,3-diaminopropanoic acid or its salt, or the C-ferminal amide
cc cf the peptide conjugate with the proviso that X is not exendin-4 or
cc cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic
cc cc the peptide conjugate with the proviso that X is not exendin-4 or
cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic
cc diabetes, insulin resistance syndrome, obesity, eating disease states associated with elevated blood glucose levels
ct reacting disease states associated with elevated blood glucose levels
ct reacting disease states associated with elevated blood glucose levels
ct catechol amines including adrenalin, glucocorticoide, glovels, and for reducing
clucagon. It is useful in regulation of gastric emptying, for stimulating compar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.
metabolic disorder; gastric disease; myocardial infarction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Larsen BD, Mikkelsen JD, Neve S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 22; Page 66; 83pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                          12-JUL-2000; 2000WO-DK000393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99US-0143591P.
99EP-00610043.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ZEAL-) ZEALAND PHARM AS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-159381/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 47 AA;
                                                                                                                                                                                                                             WO200104156-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-JUL-1999;
09-AUG-1999;
                                                                                                                                                                                                                                                                                                                                 18-JAN-2001
                                                                                                                    Synthetic.
```

AAB69959 Length: 47 February 4, 2005 13:32 Type: P Check: 5670 Found using 'seq5' (mohamed337.key) HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPSKKKKKKKK

1 match found in sequence:
ab56962 ; des Pro36-exendin-4(1-39)-NH2.
(from "seq5ags.pep")
TOIG of: aab69962 check: 6447 from: 1

AAB69962 standard; peptide; 38 AA

to: 38

check: 6447 from: 1

AAB69962; HXX

(first entry) 02-MAY-2001

des Pro36-exendin-4 (1-39)-NH2

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antinfilammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

ŝ Neve Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

ptide agonist of Glucagon-like peptide, useful for decreasing the blood glucose and for treating diseases like diabetes, obesity peptide agonist of blood alument and eating disorders. Novel level

Claim 23; Page 67; 83pp; English.

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or CLP-1 (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or CLP-1 (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or CC (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or CC (-0) or X, K, K, M, M, Orn, and amino acid in Z is selected from A, L, S, T, Y, N, CC (-0) or X, A, X, K, M, M, Orn, and amino acid units of formula -NH-C(R1) (R2) or CC (-0) or X, A Hand R2 are selected from H, C1-6-alkyl, phenyl and phenyl methyl are optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and R2, together with the arbon atom to which they are bound, form a cyclopentyl, cyclohexyl, cr cycloheptyl ring, e.g. 2, 4-diaminobutanoic acid and 2,3-corylopetyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-corylopetyl acid or its salt, or the C-terminal amide of the peptide conjugate is useful in the manufacture of a pharmaceutical conjugate is useful in the manufacture of a pharmaceutical secondary, eating disorder, hyperalycamine manufacture of a pharmaceutical associated with elevated blood glucose levels elicited by h after myocardial infarction

Sequence 38 AA;

AAB69962 Length: 38 February 4, 2005 13:32 Type: P Check: 6447 Found using 'seqs' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPS

peptide agonist of Glucagon-like peptide, useful for decreasing the of blood glucose and for treating diseases like diabetes, obesity Claim 22; Page 66; 83pp; English. level of blood glucos and eating disorders. WPI; 2001-159381/16. Novel

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34.39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-6) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino consolvaric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, apptide sequence of 4-20 amino acids covalently consolvaric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, apptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, C, W, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-cCC (RI) (R2)-C(=0)-. RI and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituents selected from halogen, hydroxy, and phenyl and phenylmethyl are optionally consolvant action, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, abstituents selected from c1-6-alkyl, C2-6-alkenyl, and phenylmethyl are optionally correctly amino, cyano, nitro, sulfono, and carboxy, and phenylmethyl and carboxy; or R1 and C2-6-alkyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic ccc acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the creminal amide of the peptide conjugate with the provise that X is not exendin-3. The peptide conjugate is useful in the manufacture of a catechol amines including adrenalin, glucocorticoides, growth hormone and catechol amines including adrenalin, glucocorticoides, growth hormone and clicited by hormones known to increase blood glucose levels, insulin release, for lowering plasma lipid level, and for reducing consultity and morbidity after myocardial infarction

Sequence 46 AA;

AAB69957 Length: 46 February 4, 2005 13:32 Type: P Check: 2472 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPSKKKKKKKK

aab69958 ; des Pro36-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2. to: 46 check: 1947 from: 1 1 match found in sequence: (from "seq5ags.pep") TOIG of: aab69958 cl

AAB69958 standard; peptide; 46 AA

AAB69958;

02-MAY-2001 (first entry)

des Pro36-(Ly840(palmitoy1)exendin-4(1-39)-(Ly8)7-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

NO200104156-A1

18-JAN-2001

```
The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-37) having a substituent a lipophilic substituent. Bach as a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI)[RIS-C(=6)). RI and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from H, Cl-6-alkyl, phenyl methyl-methyl, where Cl-6-alkyl and phenylmethyl are optionally cultured with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, halogen, hydroxy, anino, cyano, nitro, sulfono, and carboxy, and phenylmethyl are optionally substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenylmethyl are optionally cultured with 1-3 substituents selected from Cl-6-alkyl, c2-6-alkenyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, cyclohexyl, corcatechol or mines states associated with elevated blood glucose levels cicted by hormones known to increase blood
                                                                                                                                                                                                                                                                                     Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.
                                                                                                                                                                                   Mikkelsen JD, Neve S;
                                                                                                                                                                                                                                                                                                                                                                                                     Claim 22; Page 66; 83pp; English.
                                               99US-0143591P.
12-JUL-2000; 2000WO-DK000393
                                                                                                                                (ZEAL-) ZEALAND PHARM AS.
                                                                                                                                                                                                                                        WPI; 2001-159381/16.
                                                                           09-AUG-1999;
                                                                                                                                                                                      Larsen BD,
```

Sequence 46 AA;

AAB69958 Length: 46 February 4, 2005 13:32 Type: P Check: 1947 Found using 'seq5' (mohamed337.key)

|------| HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGAPPSKKKKKKK

match found in sequence: aab6959; Lys40[palmitcyl]exendin-4(1-39)-(Lys)7-NH2. (from "seq5ags.pep") TOIG of: aab69959 check: 5670 from: 1 to: 47 AAB69959 standard; peptide; 47 AA 02-MAY-2001 (first entry) AAB69959;

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; Ly840(palmitoy1)exendin-4(1-39)-(Ly8)7-NH2.

antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia;

bound to the variant. Each amino acid in Z is selected from A, L, S, T, CC Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (TAL) (RZ)-C(=0)-. RI and R2 are selected from H, CI-6-alkyl, phenyl and phenyl-methyl, where CI-6-alkyl is optionally substituted with 1-3 cubstituents selected from H, CI-6-alkyl, nitro, substituents selected from Analogan, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally consultance with 1-3 substituents selected from CI-6-alkyl, C2-6-alkenyl, calleden, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and R2, together with the carbon atom to which they are bound, form a cycloheptyl, cycloheptyl, cycloheptyl, ring, e.g. 2,4-diaminobutanoic cyclopentyl, cycloheptyl, ring, e.g. 2,4-diaminobutanoic cyclopentyl, cylopentyl, cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cylopentyl, cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopentyl, cyclopentyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopentyl, cyclopentyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopentyl, cyclopentyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopenty

Sequence 46 AA;

AAB69955 Length: 46 February 4, 2005 13:32 Type: P Check: 1833 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPFKKKKKKKK 1

aab69956 , des Gly34-(Ly840(palmitoyl)exendin-4(1-39)-(Ly8)7-NH2. check: 2268 from: 1 to: 46 AAB69956 standard; peptide; 46 AA. 1 match found in sequence: n "seq5ags.pep") of: aab69956 cl From

des Gly34-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2. 02-MAY-2001 (first entry) AAB69956;

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; insulin resistance syndrome; eating disorder; hyperglycaemia; etabolic disorder; gastric disease; myocardial infarction.

WO200104156-A1. Synthetic.

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393. 99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

WPI; 2001-159381/16.

Neve S;

Mikkelsen JD,

Larsen BD,

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English

The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34-39 or a Lys at position
40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (736) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
cisobutyric acid for Ala at position 8 and/or having a lipophilic
bound to the variant. Each amino acid in Z is selected from A, L, S, T,
CC (RL) (RD)-C(-G)-R1 and R2 are selected from H, CI-6-alkyl, phenyl
cc phenyl-methyl, where CI-6-alkyl is optionally substituted with 1-3
substituents selected from halogen, hydroxy, amino, cyano, nitro,
substituted with 1-3 substituents selected from CI-6-alkyl, pc substituted with 1-3 substituents selected from CI-6-alkyl, c2-6-alkenyl,
cc substituted with the carbon atom to which they are bound, form a
cyclopentyl, cyclohexyl, amino, cyano, nitro, sulfono, and carboxyl, or R1 and
cc cyclopentyl, cyclohexyl mino, cyano, nitro, sulfono, and carboxyl, or CC acid and C2-3-diaminopropanoic acid or its salt, or the C-terminal amide
cc of the peptide conjugate with the proviso that X is not exendin-3
cc confin-3. The peptide conjugate is useful in the manufacture of a
confin-3. The peptide conjugate is useful in the manufacture of a
confined conjugate mit treatment of type 1 or type 2
confined conjugate mit treatment of type 2
confined conjugate mit treatment of confired conjugate mit treatment of type 1 or type 2
confired conjugate mit the carbon confired conjugate mit treatment of type 1 or type 2
confired conjugate mit treatment of type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction

Sequence 46 AA;

AAB69956 Length: 46 February 4, 2005 13:32 Type: P Check: 2268 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSAPPPSKKKKKKK

1 match found in sequence: aab69957 ; des Ala35-(Ly840(palmitoy1)exendin-4(1-39)-(Ly8)7-NH2. 46 ن from: 1 AAB69957 standard; peptide; 46 AA check: 2472 02-MAY-2001 (first entry) (from "seq5ags.pep") TOIG of: aab69957 cl AAB69957;

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction. WO200104156-A1. 18-JAN-2001. Synthetic.

des Ala35-(Lys40(palmitoy1)exendin-4(1-39)-(Lys)7-NH2.

99US-0143591P. 99EP-00610043. (ZEAL-) ZEALAND PHARM AS 12-JUL-1999; 09-AUG-1999;

12-JUL-2000; 2000WO-DK000393.

ŝ Neve Mikkelsen JD, Larsen BD,

```
treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating monthin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction
      888888888
```

Sequence 44 AA;

AAB69953 Length: 44 February 4, 2005 13:32 Type: P Check: 5647 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEERAVRLF1EWLKNGGPSSGPPPSKKKKKK 1 match found in sequence: aab69954 ; des Gly34-exendin-4(1-39)-(Lys)6-NH2.

check: 5443 from: 1 AAB69954 standard; peptide; 44 AA n "βeq5ags.pep") of: aab69954 c

des Gly34-exendin-4(1-39)-(Lys)6-NH2. (first entry) 02-MAY-2001 AAB69954;

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P 99EP-00610043 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Larsen BD, Mikkelsen JD, Neve S;

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletations at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino classification and Z, a peptide sequence of 4-20 maino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI) (R2)-C(-G)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, substituted with 1-3 substituence of arboxy, or an phenyl and phenylmethyl are optionally substituted with 1-3 substituence selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and

cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that x is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperallycaemia, metabolic disorder and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adremalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction form a together with the carbon atom to which they are bound,

Sequence 44 AA; 888888888888888888888

AAB69954 Length: 44 February 4, 2005 13:32 Type: P Check: 5443 Found using '8eq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSAPPPSKXKKKK

1 match found in sequence: aab69955 ; des Ser39-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2. to: 46 check: 1833 from: 1 AAB69955 standard; peptide; 46 AA (from "seq5ags.pep") TOIG of: aab69955 c AAB69955;

02-MAY-2001 (first entry)

des Ser39-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2..

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999;

09-AUG-1999;

ZEAL-) ZEALAND PHARM AS.

Mikkelsen JD, Neve Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently

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Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.
                                                                                                               Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilnflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.
                           to: 44
1 match found in sequence:
aab69952; des Pro36-exendin-4(1-39)-(Ly9)6-NH2.
(from "seq5949.pep")
TOIG Of: aab69952 check: 5122 from: 1 to: 44
                                                                                                des Pro36-exendin-4(1-39)-(Lys)6-NH2
                                                                                                                                                                                                                                                                                  ŝ
                                             44 AA
                                                                                                                                                                                                                                                                                                                                                         Claim 22; Page 66; 83pp; English.
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                                                                                                                                                                                                                     12-JUL-2000; 2000WO-DK000393.
                                                                                                                                                                                                                                      99US-0143591P.
                                             AAB69952 standard; peptide;
                                                                                                                                                                                                                                                                                  Mikkelsen JD,
                                                                                (first entry)
                                                                                                                                                                                                                                                                 (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                                                                   WPI; 2001-159381/16.
                                                                                                                                                                                WO200104156-A1.
                                                                                                                                                                                                                                      12-JUL-1999;
                                                                                                                                                                                                                                               09-AUG-1999;
                                                                                02-MAY-2001
                                                                                                                                                                                                  18-JAN-2001
                                                                                                                                                                                                                                                                                   Larsen BD,
                                                                                                                                                                Synthetic.
                                                               AAB69952;
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Sequence 44 AA;

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The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position conformation of a Lys at position of the peptide (GLP-1) (7-6) and the peptide (GLP-1) (7-7) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic cubstituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant Each amino acid in 2 is selected from A, L, S, T, Y, M, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (XI) (RZ) C(=0)-. RI and R2 are selected from H, CI-Calkyl, phenyl and phenyl-methyl, where CI-C-alkyl is optionally substituted with 1-3 substituents selected from H, CI-C-alkyl, phenyl and phenyl-methyl, where Malogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally consistituted with 1-3 substituents selected from CI-C-alkyl, C2-G-alkenyl, alogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or RI and C2, together with the carbon atom to which they are bound, form a cycloheptyl, cycloheptyl,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia, metabolic disorder; gastric disease; myocardial infarction.
Type: P Check: 5122
                                                                                                                                       HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPSKKKKKK
                                                                                                                                                                                                                                                                                  to: 44
       AAB69952 Length: 44 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          des Ala35-exendin-4(1-39)-(Lys)6-NH2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB69953 standard; peptide; 44 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99US-0143591P.
99EP-00610043.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Larsen BD, Mikkelsen JD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and eating disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-159381/16.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-JUL-1999;
09-AUG-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB69953;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to excendin-4, a variant of excendin comprising 1-5 deletions at positions 34-39 or a Lys at position 54.90 or a Lys at position 50.00 or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino computation, and are position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently obound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (XR) (XR) -CC (AL) (XR) and RA Z are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from H, Cl-6-alkyl, phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents aclected from Cl-6-alkyl, C2-6-alkenyl, allogen, hydroxy, and phenyl-methyl are potionally and phenyl-methyl are potionally cyclohexyl, or cyclohetyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cyclohetyly ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cyclohetyl, cyclohexyl, or the C-terminal amide cyclopentyl, cyclohexyl, cyclo
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exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with compilications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                     Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendins or exendin agonists for lowering or reducing blood plevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 183; Page 121; 133pp; English.
                                           Exendin agonist, SEQ ID NO:188.
                                                                                                                                                                                                                                                                                                                                                                                99US-00323867.
                                                                                                                                                                                                                                                                                                                                      23-MAY-2000; 2000WO-US014231
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-137634/14.
                                                                                                                                                                             Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA;
                                                                                                                                                                                                                                              WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                01-JUN-1999;
  27-MAR-2001
                                                                                                                                                                                                                                                                                          07-DEC-2000
                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hiles R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Use of
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AAB64368 Length: 39 February 4, 2005 13:32 Type: P Check: 9112 Found using 'seq5' (mohamed337.key)

ÅGAGTFTSDLSKQLEBEAVRLFIEFLKNGGPSSGAPPPS 1

1 match found in sequence: aab69951 ; des Ser39-exendin-4(1-39)-(Lys)6-NH2. check: 5008 from: 1 (from "seqSags.pep") TOIG of: aab69951 c

AAB69951 standard; peptide; 44 AA.

AAB69951;

02-MAY-2001

des Ser39-exendin-4(1-39)-(Lys)6-NH2.

exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction. peptide-1, GLP-1;

Synthetic.

WO200104156-A1.

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Mikkelsen JD, Larsen BD,

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity WPI; 2001-159381/16.

Claim 22; Page 66; 83pp; English.

and eating disorders.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) burytric acid for Ala at position 8 and/or having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-37) having a substitution of D-Ala, Gly or alpha-amino cid sobutyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently cy N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1)(R2)-C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from H, C1-6-alkyl, phenyl and carboxy, and phenyl methyl are optionally cyclohexy, and phenylmethyl are optionally considered from halogen, hydroxy, and phenylmethyl are optionally considered with 1-3 substituents selected from C1-6-alkyl, or Substituents selected from C1-6-alkyl, or Substituents selected from A1-6-alkyl, or Cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic confidence with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate with the proviso that X is not exendin-3. The peptide conjugate with the proviso that X is not exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 confidences, insulin resistance syndrome, obseity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels clicited by hormones known to increase blood glucose levels clicited by hormones known to increase blood glucose levels clicited by hormones known to increase blood glucose levels clicited by los more alied planes including adrenalin, glucocorricoids, growth hormone and clicited by lease, for l

Sequence 44 AA;

AAB69951 Length: 44 February 4, 2005 13:32 Type: P Check: 5008 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPFKKKKK

Exendin agonist, SEQ ID NO:187.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated with an increased risk of neonatal unbedefects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, pulycythaemia, hypomagnesaemia, pulychaemia, hypomagnesaemia, pulychaemia, hypomagnesaemia, pulycythaemia, hypomagnesaemia, pulycythaemia, hypomagnesaemia, pulychaemia, hypomagnesaemia, pulychaemia, hypomagnesaemia, pulycythaemia, hypomagnesaemia, pulycythaemia, hypomagnesaemia, pulychaemia, hypomymagnesa
Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB64366 Length: 30 February 4, 2005 13:32 Type: P Check: 4862 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 181; Page 120; 133pp; English.
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                                                                                                                                                                                                                                                                                                                                                                       99US-00323867
                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-137634/14.
                                                                                                                    Heloderma suspectum
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                                                                                                                                                                                                                                                                                                                                                                          01-JUN-1999;
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                                                                                                                                                                                                                                                            07-DEC-2000
                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hiles R,
        %XCCCCCCCCCCCCCCCCCCCX
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SXXX
                                                                                                                          to: 39
                                                                     1 match found in sequence:
aab54367; Exendin agonist, SEQ ID NO:187.
(from "seq5ags.pep."
TOIG of: aab64367 check: 9563 from: 1
HGDATFISDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                             AAB64367 standard; peptide;
                                                                                                                                                                                                                                   27-MAR-2001 (first entry)
                                                                                                                                                                                                   AAB64367;
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RXXXEX

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocapanesaemia, polycytheamia, hypocapanesaemia, plycytheamia, hypocapanesaemia, plycomapanesaemia, plyc
                                       Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB64367 Length: 39 February 4, 2005 13:32 Type: P Check: 9563 Found using 'seq5' (mohamed337.key)
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aab64368; Exemdin agonist, SEQ ID NO:188.
(from "seq5ags.pep")
TOIG of: aab64368 check: 9112 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB64368 standard; peptide; 39 AA.
                                                                                                                                                                                                                                                                                                                                                                                                              99US-00323867.
                                                                                                                                                                                                                                                                                                                                                       23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-137634/14.
                                                                                                                                                            Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 39 AA;
                                                                                                                                                                                                                                              WO200073331-A2
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                                                                                                                                                                                                                                                                                                    07-DEC-2000.
                                                                                                                                                                                        Synthetic.
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insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000.

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Exerciting the invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cincrease insulin secretion. In contrast, in a normal pregnancy, both cincrease insulin secretion. In contrast, in a normal pregnancy, both consulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive consorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, homology with several members of the glucagon-like peptide family, cardinary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                             Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 179; Page 119; 133pp; English.
                                                                                                                                                                                                               99US-00323867.
                                                                                                                                                                 23-MAY-2000, 2000WO-US014231
                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                             Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               especially in a human.
                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-137634/14.
Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 36 AA;
                                                                    WO200073331-A2.
                                                                                                                                                                                                               01-JUN-1999;
                                                                                                                 07-DEC-2000
                      Synthetic.
                                                                                                                                                                                                                                                                                                               Hiles R,
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AAB64364 Length: 36 February 4, 2005 13:32 Type: P Check: 862, Pound using 'seg5' (mohamed337.key)

AGEGTFTSDLSKOMBEBAVRLFIEWLKNGGXSSGAX

to: 35 . match found in sequence: aab64365 ; Exendin agonist, SEQ ID NO:185. from: 1 check: 7441 (from "seq5ags.pep" TOIG of: aab64365

AAB64365 standard; peptide; 35 AA

check: 4862 from: 1 to: 30

standard; peptide; 30 AA

Exendin agonist, SEQ ID NO:186.

27-MAR-2001 (first entry)

AAB64366; AAB64366

27-MAR-2001 (first entry)

AAB64365;

Exendin agonist, SEQ ID NO:185.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;

combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary fract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocralcaemia, hypocralcaemia, poperations of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit channed beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional including the present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. AAB64365 Length: 35 February 4, 2005 13:32 Type: P Check: 7441 Found using 'seq5' (mohamed337.key) Example 180; Page 120; 133pp; English. HGAGTFTSDLSKOMBEEAVRLFIEWLKNGGPSSGA aab64366; Exendin agonist, SEQ ID NO:186. (from "seqSags.pep")
TOIG of: aab64366 check: 4862 from: 1 23-MAY-2000; 2000WO-US014231. 99US-00323867. (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; WPI; 2001-137634/14. 1 match found in sequence: Sequence 35 AA; 01-JUN-1999;

23-MAY-2000; 2000WO-US014231

WO200073331-A2

07-DEC-2000

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS;

WPI; 2001-137634/14.

```
Exendin agonist (AAB64185-B64368) for treating gestational diabetes
mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a
mellitus (GDM) in a patient. GDM arises during pregnancy, both
combination of increased insulin secretion increase. GDM pregnancies are
insulin resistance and insulin secretion increase. GDM pregnancies are
associated with complications in both the mother and the foetus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
compounds as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
compounds and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster
compounds used to knexican beaded lizard (exendin-3) which exhibit
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agonists do not cross the placenta and thus do
not cause severe prolonged hypoglycemia in the newborn. They have a
compounds used to treat type 2 diabetes, and, unlike conventional
insulin therapy, should not cause weight gain, as they inhibit gastric
emptying and reduce apperite. The present sequence of exendin-4
compounds to the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                  Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                           Example 177; Page 118; 133pp; English.
                                                                  23-MAY-2000; 2000WO-US014231
                                                                                                                99US-00323867
                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                especially in a human.
                                                                                                                                                                                                        Prickett KS;
                                                                                                                                                                                                                                                     WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 38 AA;
                                                                                                                01-JUN-1999;
                       07-DEC-2000
                                                                                                                                                                                                        Hiles R,
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AAB64362 Length: 38 February 4, 2005 13:32 Type: P Check: 7197 Found using 'seq5' (mohamed337.key) |-----| HGEATFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX

to: 37 . match found in sequence:
aab64363; Exendin agonist, SEQ ID NO:183.
(from "seq5ags.pep")
TOIG of: aab64363 check: 1694 from: 1 AAB64363 standard; peptide; 37 AA

Exendin agonist, SEQ ID NO:183. 27-MAR-2001 (first entry) AAB64363;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

The intention feature to the use of an exeminal (whost policy of an exemin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural mube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hypopalycaemia, nate peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homelogy with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucase, and, unlike conventional potent and prolonged effect on blood glucae, and, unlike conventional gonist of the invention which is based upon the sequence of exendin-4 exendin-4 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, invention relates to the use of an exendin (AAB64181-B64182) or an Example 178; Page 119; 133pp; English. especially in a human. Sequence 37 AA;

AAB64363 Length: 37 February 4, 2005 13:32 Type: P Check: 1694 Found using 'seq5' (mohamed337.key)

from: 1 to: 36 **HGAGTFTSALSKQMEERAVRLFIEWLKNGGASSGAAA** aab64364 ; Exendin agonist, SEQ ID NO:184. AAB64364 standard; peptide; 36 AA check: 862 (first entry) 1 match found in sequence: (from "seq5ags.pep") TOIG of: aab64364 c 27-MAR-2001 AAB64364;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:184.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS;

23-MAY-2000; 2000WO-US014231

```
Exernation relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin receistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive associated with as pre-eclampsia, and urinary tract infections. GDM. Treatlist as a hypoglycaemia, hypomagnessemia, polycythaemia, cauch as hypoglycaemia, hypomagnessemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are poptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraind therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4 cause weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4 cause weight gain, as they subiline to a second or a potent and prolonged effect on blood glucose, and, unlike conventional cange weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4 and a prolonged passed to be a potent or a potent and prolonged effect on blood glucose, and, unlike conventio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 175; Page 117; 133pp; English.
99US-00323867.
                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                  Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 29 AA;
01-JUN-1999;
                                                                                                                                                                                                                                                  Hiles R,
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AAB64360 Length: 29 February 4, 2005 13:32 Type: P Check: 2313 Found using 'seq5' (mohamed337.key)

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AGEGTFTSDLSKOLEEEAVRLFIEFLKNG
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to: 38 . match found in sequence: aab64361 ; Exendin agonist, SEQ ID NO:181. check: 7457 from: 1 (from "seq5ags.pep"; TOIG of: aab64361

AAB64361 standard; peptide; 38 AA Exendin agonist, SEQ ID NO:181. 27-MAR-2001 (first entry) AAB64361;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2

07-DEC-2000

combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GND pregnancies are associated with compilcations in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocralcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, glycychaemia, hyporalcaemia, hypomagnessemia, glychaemia, hyporalcaemia, hypomagnessemia, glycychaemia, glychaemia, glychaemia, glychaemia, glychaemia, glycychaemia, glychaemia, Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 176; Page 118; 133pp; English. especially in a human WPI; 2001-137634/14. Sequence 38 AA;

AAB64351 Length: 38 February 4, 2005 13:32 Type: P Check: 7457 Found using 'seq5' (mohamed337.key)

|-----| HGAGTFTSDLSKQMEEBAVRLFIEWLKNGGXSSGAXXX

to: 38 1 match found in sequence:
 aab64362 ; Exendin agonist, SEQ ID NO:182.
 (from "seq5ags.pep")
 TOIG of: aab64362 check: 7197 from:.1 (AAB64362 standard; peptide; 38 AA. Exendin agonist, SEQ ID NO:182. 27-MAR-2001 (first entry) AAB64362;

Exendin agonist; gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. BXSSXXXXXXXXXXXXXXXXXXXX

Heloderma suspectum. Synthetic.

WO200073331-A2

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as per-eclampsia, and urinary tract infections. GDM regulated in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, homology with several members of the glucagon-like peptide family. A compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional computing and reduce appetite. The passed upon the sequence of exendin emptying and reduce appetite. The based upon the sequence of exendin.
                                                                                                                      exendins or exendin agonists for lowering or reducing blood slevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                      Example 173; Page 116; 133pp; English.
                      Prickett KS;
                                                                                                                                                                                    especially in a human.
                                                                      WPI; 2001-137634/14.
                         Hiles R,
                                                                                                                                    Use of
```

Sequence 31 AA;

AAB64358 Length: 31 February 4, 2005 13:32 Type: P Check: 7345 Found using 'seq5' (mohamed337.key)

HGEATFTSDLSKQMEBEAVRLFIEWLKNGGP

1 match found in sequence: aab64359 ; Exendin agonist, SEQ ID NO:179. check: 4423 from: 1 (from "seq5ags.pep") TOIG of: aab64359

to: 30

AAB64359 standard; peptide; 30 AA 27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:179.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 174; Page 117; 133pp; English.

ceredin agonist (AAB64182-B64368) for treating gestational diabetes
ceredin agonist (AAB64185-B64368) for treating gestational diabetes
ceredin agonist (AAB64185-B64368) for treating gestational diabetes
ceredination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GMD pregnancies are
associated with complications in both the mother and the foetus. Women
with GDM have increased rates of Cesearian delivery, hypertensive
cerelits in an elevated rate of foetal abnormalities such as neural tube
ceresults in an elevated with an increased risk of neonatal morbidites
cuch as hypoglycaemia, hypomagnesemia, polycythaemia,
ceresults in and subsequent childhood and adolescent obesity.
Ceredins are peptides from the salivary secretions of the Glia monster
ceremination and the Wexican beaded lizard (exendin-3) which exhibit
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to creat type 2 diabetes, which are contraindicated for
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compounds used to creat type 2 diabetes, which are contraindicated for
compounds used to creat type 2 diabetes, which are
contrained to the contrained type 2 diabetes an

Sequence 30 AA;

AAB64359 Length: 30 February 4, 2005 13:32 Type: P Check: 4423 Found using 'seq5' (mohamed337.key)

HGEGTFTSALSKQLEEEAVRLFIEFLKNGG

check: 2313 from: 1 to: 29 aab64360 ; Exendin agonist, SEQ ID NO:180. (from "seq5ags.pep")
TOIG of: aab64360 check: 2313 from: 1 AAB64360 standard; peptide; 29 AA Exendin agonist, SEQ ID NO:180. (first entry) 1 match found in sequence: 27-MAR-2001 AAB64360;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Heloderma suspectum Synthetic.

WO200073331-A2

23-MAY-2000; 2000WO-US014231

07-DEC-2000.

TOIG of: aab64357 Synthetic. AAB64357; 110086 1 match

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistence and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-clampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycychaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Beradina are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 exendins or exendin agonists for lowering or reducing blood levels and treating gestational diabetes mellitus in a subject, Example 171; Page 115; 133pp; English. especially in a human. Sequence 32 AA; ğ

AAB64356 Length: 32 February 4, 2005 13:32 Type: P Check: 18 Found using 'seq5' (mohamed337.key)

to: 32 match found in sequence: aab64357 ; Exendin agonist, SEQ ID NO:177. check: 9574 from: 1 AGEGTFTSDLSKOMEERAVRLFIEWLKNGGPS "seq5ags.pep")

AAB64357 standard; peptide; 32 AA Exendin agonist, SEQ ID NO:177. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

07-DEC-2000

WO200073331-A2

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

Combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mailtitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancy, both associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal unbeing such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypodlycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional complying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 172; Page 116; 133pp; English. especially in a human. WPI; 2001-137634/14. Sequence 32 AA;

AAB64357 Length: 32 February 4, 2005 13:32 Type: P Check: 9574 Found using 'seq5' (mohamed337.key)

aab64358 ; Exendin agonist, SEQ ID NO:178. HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPS match found in sequence: (from "seq5ags.pep" TOIG of: aab64358

AAB64358 standard; peptide; 31 AA 27-MAR-2001 (first entry) AAB64358;

to: 31

check: 7345 from: 1

Exendin agonist, SEQ ID NO:178

Exendin agoniat; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to insulin resistance and a diminished ability to insulin resistance and a diminished ability to insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, bernology with several members of the glucagon-like peptide family.

Exendins are peptides from the salivary secretions of the dila monster (exendin-3) which several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulintropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cause severe prolonged bypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional menulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin egonist of the invention which is based upon the sequence of exendin-4
                               Example 169; Page 114; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 34 AA;
```

AAB64354 Length: 34 February 4, 2005 13:32 Type: P Check: 5154 Found using 'seq5' (mohamed337.key) HGEATFTSDLSKQMEEEAVRLFIEWLKNGGPSSG 1

to: 33 match found in sequence: aab64355 ; Exendin agonist, SEQ ID NO:175. (from "seq5ags.pep") TOIG of: aab64355 check: 2737 from: 1 AAB64355 standard; peptide; 33 AA. Exendin agonist, SEQ ID NO:175. 27-MAR-2001 (first entry) AAB64355;

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867 (AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood

glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 170; Page 115; 133pp; English.

careadin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (CDW) in a patient GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyperbllirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional contraind reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 The invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 33 AA;

AAB64355 Length: 33 February 4, 2005 13:32 Type: P Check: 2737 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSALSKOMEBEAVRLFIEWLKNGGPSS

1 match found in sequence:
aab64356 ; Exendin agonist, SEQ ID NO:176.
(from "seg5ags.pep")
TOIG of: aab64356 check: 18 from: 1 to: 32 AAB64356 standard; peptide; 32 AA Exendin agonist, SEQ ID NO:176. 27-MAR-2001 (first entry) AAB64356;

Exendin agonist; gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

```
exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessaemia, polycythaemia, hyperbilitubinaemia, and subsequent childhood and adolescent obsetty. Exendins are peptides from the salivary secretions of the Glia monster (exendin-1) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
```

Sequence 35 AA;

AAB64352 Length: 35 February 4, 2005 13:32 Type: P Check: 7446 Found using 'seq5' (mohamed337.key)

ÅGEGTFTSDLSKOMEREAVRLFIEWLKNGGPSSGA

aab64353 ; Exendin agonist, SEQ ID NO:173.
(from "seq5ags.pep")
TOIG of: aab64353 check: 7002 from: 1 1 match found in sequence:

to: 35

AAB64353 standard; peptide; 35 AA Exendin agonist, SEQ ID NO:173. (first entry) 27.-MAR-2001 AAB64353;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

exendins or exendin agonists for lowering or reducing blood e levels and treating gestational diabetes mellitus in a subject, especially in a human. glucose Jse of

Example 168; Page 114; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mailtitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocaalcaemia, hypomagnessemia, polycytheemia, hyporaplistrubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit chomology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniets do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional computing and reduce appetite. The present sequence represents a exendin enguliate of the invention which is based upon the sequence of exendin-4 %CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

Sequence 35 AA;

AAB64353 Length: 35 February 4, 2005 13:32 Type: P Check: 7002 Found using 'seq5' (mohamed337.key)

|-----| HGAGTFTSDLSKQLBEBAVRLFIBFLKNGGPSSGA

match found in sequence:
aab64354; Exendin agonist, SEQ ID NO:174.
(from seq5ags.pep")
TOIG of: aab64354 check: 5154 from: 1 to: 34

AAB64354 standard; peptide; 34 AA 27-MAR-2001 (first entry) AAB64354; THE STANDARD STANDARD

Exendin agonist, SEQ ID NO:174.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

WO200073331-A2. Synthetic.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. Momen with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of menatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hyporablirubinaemia, and subsequent childhood and adolescent obesity.

Exendina are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence representin nd reduce appetite. The present sequence represents a exendin the invention which is based upon the sequence of exendin-4 insulin resistance and insulin secretion increase. GDM pregnancies are

Sequence 36 AA;

AAB64350 Length: 36 February 4, 2005 13:32 Type: P Check: 306 Found using 'seq5' (mohamed337.key)

HGEGTFTSALSKOMEEEAVRLFIEWLKNGGPSSGAP

check: 9777 from: 1 to: 36 aab64351 ; Exendin agonist, SEQ ID NO:171. (from "eeq5ags.pep") 1 match found in sequence: TOIG of: aab64351

AAB64351 standard; peptide; 36 AA 27-MAR-2001 (first entry) AAB64351;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:171.

Heloderma suspectum Synthetic

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 166; Page 113; 133pp; English. especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to

increase insulin secretion. In contrast, in a normal preparator, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foetus. Women with GDW have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDW results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homogy with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for CDW, exendin and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypolycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional cause severe prolonged effect on blood glucose, and, unlike conventional membrying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 combination of increased insulin resistance and a diminished ability to

Sequence 36 AA;

AAB64351 Length: 36 February 4, 2005 13:32 Type: P Check: 9777 Found using 'seq5' (mohamed337.key)

AGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSSGAP

check: 7446 from: 1 to: 35 1 match found in sequence: aab64352 ; Exendin agonist, SEQ ID NO:172. AAB64352 standard; peptide; 35 AA (from "seq5ags.pep") TOIG of: aab64352 c

27-MAR-2001 (first entry) AAB64352;

Exendin agonist, SEQ ID NO:172.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 167; Page 113; 133pp; English.

g The invention relates to the use of an exendin (AAB64181-B64182) or

cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucaes, and, unlike conventional consulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 8x33333333333333333

Sequence 38 AA;

38 February 4, 2005 13:32 Type: P Check: 5882 (mohamed337.key) AAB64348 Length: 38 Found using 'seq5' (md

HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP

match found in sequence: aab64349 ; Exendin agonist, SEQ ID NO:169. (from "seq5ags.pep") TOIG of: aab64349 check: 3269 from: 1

to: 37

AAB64349 standard; peptide; 37 AA. (first entry) 27-MAR-2001 AAB64349;

Exendin agonist, SEQ ID NO:169.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. The invention relates to the use of an exendin (AAB64181-B64182) or an Example 164; Page 112; 133pp; English.

Buch as hypoglycaemia, hypomagnessemia, polycythaemia, hypothia are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of footmalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites

Sequence 37 AA; \$ AAB64349 Length: 37 February 4, 2005 13:32 Type: P Check: 3269 Found using 'seq5' (mohamed337.key)

HGEATFTSDLSKOMEBEAVRLFIEWLKNGGPSSGAPP

from: 1 to: 36 aab64350; Exendin agonist, SEQ ID NO:170. (from "seq5ags.pep") TOIG of: aab64350 check: 306 from: 1 to 1 match found in sequence:

AAB64350;

AAB64350 standard; peptide; 36

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:170.

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic, anorectic, exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. CCCCCXSSLTTTTXSXRXRXPXDXPXSSSXRXPXDX

Example 165; Page 112; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional linsulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 Sequence 28 AA;

AAB64346 Length: 28 February 4, 2005 13:32 Type: P Check: 9887 Found using 'seg5' (mchamed337.key)

AGDGTFTSDLSKQLEEEAVRLFIEFLKA

to: 38 aab64347; Exendin agonist, SEQ ID NO:167.
(from "seq5ags.pep")
TOIG of: aab64347 check: 6326 from: 1 t 1 match found in sequence:

AAB64347 standard; peptide; 38 AA Exendin agonist, SEQ ID NO:167. (first entry) 27-MAR-2001 AAB64347;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 162; Page 111; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes meallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites

such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin solutions on the newborn. They have a potent and prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 38 AA; 88888888888888888

AAB64347 Length: 38 February 4, 2005 13:32 Type: P Check: 6326 Found using 'seq5' (mohamed337.key)

|-----| AGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP

:: 2 match found in sequence: aab64348 ; Exendin agonist, SEQ ID NO:168. check: 5882 from: 1 AAB64348 standard; peptide; 38 AA 27-MAR-2001 (first entry) (from "seq5ags.pep") TOIG of: aab64348 c AAB64348;

38

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:168.

Heloderma suspectum WO200073331-A2. Synthetic.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 163; Page 111; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM

thus do compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 888888888888

Sequence 28 AA;

AAB64344 Length: 28 Pebruary 4, 2005 13:32 Type: P Check: 9981 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQLEEEAVRLFIEFLAN

l match found in sequence:
afb64345 ; Exendin agonist, SEQ ID NO:165.
(from "seq5ags.pep")
TOIG of: aab64345 check: 326 from: 1 t

28 ; ;

> AAB64345 standard; peptide; 28 AA. AAB64345;

Exendin agonist, SEQ ID NO:165.

(first entry)

27-MAR-2001

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 160; Page 110; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to insulin resistence and insulin resistence. The insulin resistence and insulin resistence and pregnancy, both associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites defects, and is associated with an increased risk of neonatal morbidite such as hypoglycaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

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homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniets do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight again, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
```

Sequence 28 AA; 88888888888

2005 13:32 Type: P Check: 326 AAB64345 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQMEERAVRLFIEWLKA

: : aab64346 ; Exendin agonist, SEQ ID NO:166.
(from "seq5ags.pep")
TOIG of: aab64346 check: 9887 from: 1 t I match found in sequence:

28

AAB64346 standard; peptide; 28

¥

AAB64346;

(first entry) 27-MAR-2001 Exendin agonist, SEQ ID NO:166.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 161; Page 110; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64168) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gessarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporablirubinaemia, and subsequent childhood and adolescent obesity.

seq5_ags.res

```
insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
          8×8888
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Sequence 28 AA;

AAB64342 Length: 28 February 4, 2005 13:32 Type: P Check: 9965 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQLEERAVRLFIEFAKN

28 1 match found in sequence:
aab64343; Exendin agonist, SEQ ID NO:163.
fform "seq5ags.pep")
TOIG of: aab64343 check: 420 from: 1 to:

AAB64343;

AAB64343 standard, peptide; 28 AA.

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:163.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 158; Page 109; 133pp; English.

the invention relates to the order of a compound of above sendin agonist (AAB64185-B64366) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a commination of increased insulin resistence and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hyporbilitubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do The invention relates to the use of an exendin (AAB64181-B64182) or an

not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 ឧឧឧឧឧ

Sequence 28 AA;

AAB64343 Length: 28 February 4, 2005 13:32 Type: P Check: 420 ound using 'seq5' (mohamed337.key) Found using 'seq5'

AGDGTFTSDLSKQMEEEAVRLF1EWLAN

to: 28 match found in sequence:
aab64344; Exendin agonist, SEQ ID NO:164.
(fITOM "seq5ags.ppp")
TOIG of: aab64344 check: 9981 from: 1

AAB64344 standard; peptide; 28 AA

AAB64344;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:164.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 159; Page 109; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of menatal morbidites such as hypoglycaenia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, charticularly GLP-1, and have similar insulinotropic effects. Unlike the

Sequence 28 AA;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the focus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Sexedins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, AAB64340 Length: 28 February 4, 2005 13:32 Type: P Check: 126 Pound using 'seq5' (mohamed337.key) 28 1 match found in sequence:
aab64341 ; Exendin agonist, SEQ ID NO:161.
 (from "seq5ags.pep")
 TOIG of: aab64341 check: 404 from: 1 to: Example 156; Page 108; 133pp; English. AAB64341 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:161. AGDGTFTSDLSKQLEEEAVRLFIEALKN 1 23-MAY-2000; 2000WO-US014231 99US-00323867 27-MAR-2001 (first entry) (AMYL-) AMYLIN PHARM INC. Prickett KS; especially in a human. WPI; 2001-137634/14. Heloderma suspectum WO200073331-A2 01-JUN-1999; 07-DEC-2000 Synthetic. AAB64341; Hiles R,

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocranesemia, polycytheamia, hypocranesemia, polycytheamia, hypocranesemia, polycheamia, hyporapersemia, polycheamia, hyporapersemia, polycheamia, hypocranesemia, polycheamia, hyporapersemia, polycheamia, hyporapersemia, polycheamia, hyporapersemia, polycheamia, hyporapersemia, polycheamia, polycheamia, polycheamia, polyceamia, polycheamia, polyc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
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agonist of the invention which is based upon the sequence of exendin-4
                                                                                                      Type: P Check: 404
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                                                                                                   AAB64341 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                match found in sequence:
aab64342 ; Exendin agonist, SEQ ID NO:162.
                                                                                                                                                                                                                                                                                                                                                                                                      from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB64342 standard; peptide; 28 AA.
                                                                                                                                                                                         |-----|
AGDGTFTSDLSKQMEEEAVRLFIEWAKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist, SEQ ID NO:162.
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                                                                                                                                                                                                                                                                                                                                                                          (from "seq5ags.pep")
TOIG of: aab64342 check: 9965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-137634/14.
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                                                    Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB64342;
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AGDGTFTSDLSKOLEEEAVRLFIDFLKN
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check: 140 from: 1 to: 28 1 match found in sequence:
 aab64339; Exendin agonist, SEQ ID NO:159.
 (from "seq5ags.pep")
 TOIG of: aab64339 check: 140 from: 1 t

AAB64339 standard; peptide; 28 AA.

AAB64339;

(first entry) 27-MAR-2001 Exendin agonist, SEQ ID NO:159.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

MO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

WPI; 2001-137634/14. Hiles R,

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 154; Page 107; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a mallitus (GDW) in a patient. GDW arises during pregnancy, both increase insulin secretion increase. GDW pregnancy, both increase insulin secretion increase. GDW pregnancis are associated with complications in both the mother and the foetus. Women with GDW have increased rates of Caesarian delivery, hypertensive centiles in an elevated rate of foetal abnormalities such as neural tube disorders such as spec-eclampsia, and urinary infections. GDW perpulirublinemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporagnesemia, polycythaemia, hypomagnesemia, polycythaemia, cententual amonster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit content and prolonged hypoglycaemia in the newborn. They have a not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional empay, should not cause weight gain, as they inhibit gastric mention which is based upon the sequence repredinger.

Sequence 28 AA;

AAB64339 Length: 28 February 4, 2005 13:32 Type: P Check: 140 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQMEEEAVRLFIBALKN

to: 28 1 match found in sequence:
aab54340; Exendin agonist, SEQ ID NO:160.
(from "seq5ags.pep")
TOIG of: aab64340 check: 126 from: 1 t

AAB64340 standard; peptide; 28 AA.

AAB64340;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:160.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867

(AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 155; Page 107; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes condinated increase dinsulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Casaarian delivery, hypertensive with GDM have increased rates of foetal abnormalities such as neural tube results in an elevated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypocadicaemia, hypomagnessemia, polycythaemia, cuch as hypoglycaemia, nypomagnessemia, polycythaemia, cuch as hypoglycaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Glia monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the particularly GLP-1, and have similar insulinotropic effects. Unlike conventional compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which and proper proper proper proper proper proper prop

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foetus. Women with GDW have increased rates of Caesarian delivery, hypertensive associated with complications in both the mother and the foetus. Women with GDW have increased rate of foetal abnormalities such as neural tube caesociated with an increased risk of neonatal morbidites such as spreadylvaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporagnesemia, polycythaemia, hyporagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polychaemia, polychaemia, polychaemia, hypomagnesemia, polychaemia, poly
                                                                                                                                                                                                                                                                                                                              Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 152; Page 106; 133pp; English.
1 match found in sequence:
aab64337 ; Exendin agonist, SEQ ID NO:157.
                                                                            check: 666 from: 1
                                                                                                                              AAB64337 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                               Exendin agonist, SEQ ID NO:157.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma suspectum
                                                    (from "seq5ags.pep"
TOIG of: aab64337
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hiles R,
                                                                                                                                                                                AAB64337;
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AAB64337 Length: 28 February 4, 2005 13:32 Type: P Check: 666 Found using 'seq5' (mohamed337.key)

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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                     Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                              to: 28
                                1 match found in sequence:
   aab64338 ; Exendin agonist, SEQ ID NO:158.
   (from "seq5ags.pep")
   TOIG of: aab64338 check: 227 from: 1 to
                                                                               AAB64338 standard; peptide; 28 AA
                                                                                                                                     Exendin agonist, SEQ ID NO:158.
AGDGTFTSDLSKOMEEEAVRLFIDWLKN
                                                                                                                                                                                                                                                           23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                             99US-00323867.
                                                                                                                    27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                 Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                  WPI; 2001-137634/14.
                                                                                                                                                                                            Heloderma suspectum
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                                                                                                                                                                                                                                                                             01-JUN-1999;
                                                                                                                                                                                                                                         07-DEC-2000.
                                                                                                                                                                                                     Synthetic.
                                                                                                  AAB64338;
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating grestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to insulin resistance and insulin secretion increase. GDM pregnancies are associated with compilcations in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypolycaemia, hypocapusesemia, polycral caemia, hypocapusesemia, polycral caemia, hypocapusesemia, polycral caemia, hypocapusesemia, polycral caemia, hyporapusesemia, polycral cause several members of the present and pacent and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Example 153; Page 106; 133pp; English.

AAB64338 Length: 28 February 4, 2005 13:32 Type: P Check: 227 Found using 'seq5' (mohamed337.key) Sequence 28 AA;

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to: 28
          from: 1
          check: 1035
(from "seq5ags.pep")
TOIG of: aab64335 c
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AAB64335 standard; peptide; 28 AA.

AAB64335;

(first entry) 27-MAR-2001 Exendin agonist, SEQ ID NO:155.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 150; Page 105; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes concardin agonist (AAB64185-B64368) for treating pregnancy, and is due to a mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a confination of increased insulin secretion increase. GDM pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rate of foetal abnormalities such as neural tube celsults in an elevated rate of foetal abnormalities such as neural tube celets, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, celson the salivary secretions of the Gila monster exendin sure peptides from the salivary secretions of the Gila monster (exendin 4) and the Mexican beaded lisard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for one cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin gaonist of the present sequence represents

Sequence 28 AA;

AAB64335 Length: 28 February 4, 2005 13:32 Type: P Check: 1035 Found uging 'seq5' (mohamed337.key)

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|-----
| AGDGTFTSDLSKQMEBEAVRLFXEWLKN
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to: 28 match found in sequence: aab64336 ; Exendin agonist, SEQ ID NO:156. from: 1 check: 596 (from "seq5ags.pep") TOIG of: aab64336 c

AAB64336 standard; peptide; 28 AA

AAB64336;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:156.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 151; Page 105; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes concernain agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to combination of increased insulin secretion in contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase down pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of foetal abnormalities such as neural tube creatliss in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocaalcaemia, polycythaemia, configuration are peptides from the salivary secretions of the Gila monster exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit configuration and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraind the appoint and prolonged effect on blood glucose, and, unlike conventional feature and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64336 Length: 28 February 4, 2005 13:32 Type: P Check: 596 Found using 'seq5' (mohamed337.key)

|-----AGDGTFTSDLSKQLEEEAVRLFXEFLKN

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exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, paraticularia are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                       Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 148; Page 104; 133pp; English.
                                                                                                                                                                                    pregnancy complication; neonatal abuse insulinotropic; anorectic; exendin-4.
                                                                                                              Exendin agonist, SEQ ID NO:153
                                                                                                                                                                                                                                                                                                                                                                                                                 23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                                                                                                                                                                                                                                               99US-00323867
                                                                27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prickett KS;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-137634/14.
                                                                                                                                                                                                                                                     Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                      WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                    07-DEC-2000
                                                                                                                                                                                                                                                                             Synthetic.
                     AAB64333;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hiles R,
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AAB64333 Length: 28 February 4, 2005 13:32 Type: P Check: 989 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKOMEEBAVRLFVEWLKN

28 :: :: 1 match found in sequence:
abb64334 ; Exendin agonist, SEQ ID NO:154.
(from "seq5ags.pep")
TOIG of: aab64334 check: 550 from: 1 to the second of the se

AAB64334 standard; peptide; 28 AA.

AAB64334;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:154.

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;

pregnancy complication; neonatal abno: insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 149; Page 104; 133pp; English.

combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancy, both insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both a special with compilcations in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocralcaemia, hypomagnesemia, polycythaemia, hyporalcamia, hypomagnesemia, polycythaemia, hyporalcamia, hypomagnesemia, polycythaemia, byperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the G1a monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cause severe prolonged hypodlycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64334 Length: 28 February 4, 2005 13:32 Type: P Check: 550 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQLEEEAVRLFVEFLKN

1 match found in sequence: aab64335 ; Exendin agonist, SEQ ID NO:155.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (CDW) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM creatists in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal worbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporagnesaemia, polycythaemia, on the subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lisard (exendin-3) which exhibit conjogy with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional content and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin
                                              Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendins or exendin agonists for lowering or reducing blood glevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 146; Page 103; 133pp; English.
              Exendin agonist, SEQ ID NO:151
                                                                                                                                                                                                                                                                                                         23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                                                                                                                                      99US-00323867
                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           especially in a human.
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                                                                                                                                                      Heloderma suspectum
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                                                                                                                                                                                                                                                                                                                                                        01-JUN-1999;
                                                                                                                                                                                                                                                                 07-DEC-2000
                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                               Hiles R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                glucose
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AAB64331 Length: 28 February 4, 2005 13:32 Type: P Check: 1086 Found using 'seq5' (mohamed337.key) Sequence 28 AA;

AGDGTFTSDLSKQMEEEAVRLXIEWLKN

check: 647 from: 1 to: 28 . match found in sequence:
aab64332; Exendin agonist, SEQ ID NO:152.
(from "seq5ags.pep")
TOIG of: aab64332 check: 647 from: 1 to

AAB64332 standard; peptide; 28 AA

AAB64332; SXH

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 147; Page 103; 133pp; English. Exendin agonist, SEQ ID NO:152. 23-MAY-2000; 2000WO-US014231. 99US-00323867. 27-MAR-2001 (first entry) (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; especially in a human. WPI; 2001-137634/14. Heloderma suspectum WO200073331-A2. 01-JUN-1999; 07-DEC-2000 Synthetic.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candinagonist (BDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion. In contrast, in a normal pregnancy, both increased with complications in both the mother and the foetus. Women with GDM have increased rates of Cassarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM casults in an elevated with an increased risk of neonatal morbidites configuration in the proposal caemia, hypomagnessemia, polycythaemia, such as hypoglycaemia, hypomagnessemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for cause severe prolonged fifter on blood glucose, and, unlike conventional contrained and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4, and public based upon the sequence of exendin-4.

Sequence 28 AA;

AAB64332 Length: 28 February 4, 2005 13:32 Type: P Check: 647 Found using '8eq5' (mohamed337.key)

AGDGTFTSDLSKQLEEEAVRLXIEFLKN

28 ţ l match found in sequence:
aab64333; Exendin agonist, SEQ ID NO:153.
(from "seq5aGS.ppp")
(TOIG of: aab64333 check: 989 from: 1 to

AAB64333 standard; peptide; 28 AA. a

Fri Feb

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remeintain agonist (AABS4185-Beause of an exemunia pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cincrease insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cesanian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDW results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperallirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendins and exendin agonists do not cross the placenta and thus do not the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-3 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2005 13:32 Type: P Check: 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 144; Page 102; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AGDGTFTSDLSKQMEEEAVRAFIEWLKN
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                                                                                                                                                                                                                                                23-MAY-2000; 2000WO-US014231,
                                                                                                                                                                                                                                                                                                 99US-00323867
                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                             Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-137634/14.
                                                                          Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB64329 Length: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seguence 28 AA;
                                                                                                                                                 WO200073331-A2.
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                                                                                                                                                                                                                                                                                           01-JUN-1999;
                                                                                                                                                                                               07-DEC-2000
                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                             Hiles R,
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aab64330 ; Exendin agonist, SEQ ID NO:150. 1 match found in sequence:

(first entry) 27-MAR-2001 0 x 2 x 5 x 8

AAB64330;

to: 28 check: 20 from: 1 AAB64330 standard; peptide; 28 AA (from "seq5ags.pep". TOIG of: aab64330

Exendin agonist, SEQ ID NO:150.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, bypomagnessemia, polycythaemia, candins are peptides from the salivary secretions of the Gila monster (exendin-3) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type of diabetes, which are contraindicated for compounds used to treat type of any order the propertion of the contraindicated for the contraints and the sevendin and example of contraints and the sevendin and example of compounds used to treat type of any order the contraints and the sevendin and example of the contraints and the sevendin and example of the contraints and the sevendin and example of the contraints and the contraints and the contraints and the contraints and t GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 145; Page 102; 133pp; English. 23-MAY-2000; 2000WO-US014231. 99US-00323867. (AMYL-) AMYLIN PHARM INC. especially in a human. Hiles R, Prickett KS; WPI; 2001-137634/14. Heloderma suspectum Sequence 28 AA; WO200073331-A2 01-JUN-1999; 07-DEC-2000. Synthetic

AAB64330 Length: 28 February 4, 2005 13:32 Type: P Check: 20 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKOLEBEAVRAFIEFLKN

1 match found in sequence:

to: 28 aab64331 ; Exendin agonist, SEQ ID NO:151.
(from "seq5ags.pep")
TOIG of: aab64331 check: 1086 from: 1 AAB64331 standard; peptide; 28 AA AAB64331; BXXXE

27-MAR-2001 (first entry)

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes

consideration of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion increase. Only pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gesearian delivery, hypertensive with GDM have increased rates of Gesearian delivery, hypertensive results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycytheemia, hypomagnesemia, polycytheemia, hypomagnesemia, polycytheemia, hypomagnesemia, polycytheemia, hypomagnesemia, polycytheemia, Exendins are peptides from the salivary secretions of the Gila monster Exendin. All and the Mexican beaded lizard (exendin.4) and exhibit exercises.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional limulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 142; Page 101; 133pp; English.
                                                                                                                                                                            23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                     99US-00323867
                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                            Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-137634/14.
                                                        WO200073331-A2
                                                                                                                                                                                                                                        01-JUN-1999;
                                                                                                                    07-DEC-2000
   Synthetic.
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AAB64327 Length: 28 February 4, 2005 13:32 Type: P Check: 350 Found using 'seq5' (mohamed337.key) Sequence 28 AA;

AGDGTFTSDLSKQMEEEAVALFIEWLKU

1 match found in sequence: aab64328 ; Exendin agonist, SEQ ID NO:148. check: 9911 from: 1 (from "seq5ags.pep") TOIG of: aab64328 c

to: 28

AAB64328 standard; peptide; 28 AA.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:148. (first entry) 27-MAR-2001 AAB64328;

2×2×2×2×2×

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, 23-MAY-2000; 2000WO-US014231. (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; especially in a human. WPI; 2001-137634/14. Heloderma suspectum WO200073331-A2. 01-JUN-1999; 07-DEC-2000 Synthetic.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating geteational diabetes cardin agonist (AAB64185-B64368) for treating geteational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase increased rates of Gesarian delivery, hypertensive with GDM have increased rates of Gesarian delivery, hypertensive with GDM have increased rates of Gesarian delivery, hypertensive casuciated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal uborders in an elevated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, candin sar peptides from the salivary secretions of the Glia monster (exendin-4) and the Mexican beaded lizard (exendin-3) which each of the grant (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraind not cause severe prolonged figures, and, unlike conventional capture and prolonged effect on blood glucose, and, unlike conventional capture and prolonged effect on blood glucose, and, unlike conventional capture and prolonged effect. The present sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-Example 143; Page 101; 133pp; English.

AAB64328 Length: 28 February 4, 2005 13:32 Type: P Check: 9911 Found using 'seq5' (mohamed337.key) AGDGTFTSDLSKQLEEEAVALFIEFLKN

Sequence 28 AA;

to: 28 ambf4329 ; Exendin agonist, SEQ ID NO:149. (from "eg. 588.pep") TOIG of aab64329 check: 459 from: 1 to AAB64329 standard; peptide; 28 AA. (first entry) AAB64329; ZXEXEXEXEX E

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; Exendin agonist, SEQ ID NO:149.

27-MAR-2001

seq5_ags.res

23-MAY-2000; 2000WO-US014231.

WO200073331-A2.

07-DEC-2000.

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS;

WPI; 2001-137634/14.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises duiring pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporaglocalcaemia, hypomagnesemia, polycythaemia, hyporaglocalcaemia, hypomagnesemia, polycythaemia, hyperbilirubinaemia, and the Mexican beaded lizard (exendin-3) which exhibit components used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional computing and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 exendin-4 exendin-4 exendin-4 based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                  Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 140; Page 100; 133pp; English.
                                                       23-MAY-2000; 2000WO-US014231
                                                                                                              99US-00323867
                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                      Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                            especially in a human.
                                                                                                                                                                                                                                                                             WPI; 2001-137634/14.
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                                                                                                              01-JUN-1999;
07-DEC-2000.
                                                                                                                                                                                                                      Hiles R,
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AAB64325 Length: 28 February 4, 2005 13:32 Type: P Check: 291 Found using '8eq5' (mohamed337.key)

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AGDGTFTSDLSKOMBEEAARLFIEWLKN
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to: 28 . match found in sequence:
aab64326; Exendin agonist, SEQ ID NO:146.
(from "seq5ags.pep")
TOIG of: aab64336 check: 9852 from: 1

27-MAR-2001 (first entry) AAB64326;

AAB64326 standard; peptide; 28 AA

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:146.

Heloderma suspectum Synthetic.

The invention relates to the use of an exentain (AAB641815.504 and the invention relates to the unvention relates to the unvention relates to the unvention relates to the unvention of increased insulin resistance and a diminished ability to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cinculin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, comperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placents and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraind nether and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-4 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, invention relates to the use of an exendin (AAB64181-B64182) or an Example 141; Page 100; 133pp; English. especially in a human. Sequence 28 AA;

AAB64326 Length: 28 February 4, 2005 13:32 Type: P Check: 9852 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQLEEEAARLFIEFLKN

to: 28 match found in sequence:
aab6427; Exendin agonist, SEQ ID NO:147.
(from 'seq5ags.pep")
TOIG of: aab64327 check: 350 from: 1 to Exendin agonist, SEQ ID NO:147. AAB64327 standard; peptide; 28 (first entry) 27-MAR-2001 AAB64327;

gonist; gestational diabetes mellitus; GDM; insulin resistance; complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist; pregnancy

Heloderma suspectum.

23-MAY-2000; 2000WO-US014231

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating pregnancy, and is due to a mellitus (GDM) in a patient. GDM arises during pregnancy, both combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM regulates are associated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal worbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, homology with several members of the glucagon-like peptide family. Caesandin-4) and the Maxican beaded lizard (exendin-4) and the Maxican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-3 emptying and reduce appetite. The present sequence of exendin-3 emptying and reduce appetite. The present sequence of exendin-3
                                                                                                                                                                                                                           exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                 Example 138; Page 99; 133pp; English.
99US-00323867.
                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                  Prickett KS;
                                                                                                                                                                                                                                                                                           especially in a human.
                                                                                                                                                                           WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
01-JUN-1999;
                                                                                                                  Hiles R,
                                                                                                                                                                                                                                  Use of exglucose
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AAB64323 Length: 28 February 4, 2005 13:32 Type: P Check: 622 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQMEEAAVRLFIEWLKN 1

1 match found in sequence:
ab661324 ; Exendin agonist, SEQ ID NO:144.
(from "seq5ags.pep")
TOIG of: aab64324 check: 183 from: 1 tc

to: 28

AAB64324 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:144. 27-MAR-2001 (first entry) AAB64324;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

MO200073331-A2. 07-DEC-2000

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDW) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM regulates in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal worbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalcalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycocalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, compounds are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 emptine and exendin high based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                   exendins or exendin agonists for lowering or reducing blood glevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 139; Page 99; 133pp; English.
99US-00323867
                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          especially in a human.
                                                                                                                                                                                                                  Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                        WPI; 2001-137634/14.
01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                          oŧ
                                                                                                                                                                                                                                                                                                                                                                                                                                               Use
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AAB64324 Length: 28 February 4, 2005 13:32 Type: P Check: 183 Found using 'seq5' (mohamed337.key)

Sequence 28 AA;

|------| AGDGTFTSDLSKQLEEAAVRLFIEFLKN

check: 291 from: 1 to: 28 . match found in sequence: aab64325 ; Exendin agonist, SEQ ID NO:145. AAB64325 standard; peptide; 28 AA 27-MAR-2001 (first entry) (from "seq5ags.pep" TOIG of: aab64325 AAB64325;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, pregnancy complic

Exendin agonist, SEQ ID NO:145.

Heloderma suspectum Synthetic.

WO200073331-A2

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64366) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin increase. GDM pregnancies are associated with complications in both the mother and the focus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
                                                                                                                                                                                                                         exendins or exendin agonists for lowering or reducing blood levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 136; Page 98; 133pp; English
Prickett KS;
                                                                                                                                                                                                                                                                                                                           especially in a human.
                                                                                                            WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
Hiles R,
                                                                                                                                                                                                                    Use of
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AAB64321 Length: 28 February 4, 2005 13:32 Type: P Check: 626 Found using '8eq5' (mohamed337.key)

AGDGTFTSDLSKQMEAEAVRLFIEWLKN 1

1 match found in sequence:
aab64322; Exemin agoniet, SEQ ID NO:142.
(from "seq5589.pep")
TOIG Of: aab64322 check: 187 from: 1 to: 28

AAB64322 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:142. 27-MAR-2001 (first entry) AAB64322;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase and diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both combination of increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive catsociates such as pre-colampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which satisfy the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulain therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                              Example 137; Page 98; 133pp; English.
(AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                          especially in a human.
                                                   Prickett KS;
                                                                                                     WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
                                                 Hiles R,
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Type: P Check: 187 AAB64322 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key) AGDGTFTSDLSKQLEAEAVRLFIEFLKN

from: 1 to: 28 . match found in sequence: aab64323 ; Exendin agonist, SEQ ID NO:143. check: 622 (from "seq5ags.pep") TOIG of: aab64323

AAB64323;

AAB64323 standard; peptide; 28 AA

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:143.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

seq5_ags.res

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes combination of increase insulin parient. GDM arises during pregnancy, both increase insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive alsociated with an increased risk of neonatal women results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hypocalcaemia, hypomagnesemia, polycythaemia, polycomia, see potention and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exemin. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 134; Page 97; 133pp; English. especially in a human.

Sequence 28 AA;

AAB64319 Length: 28 February 4, 2005 13:32 Type: P Check: 630 Found using 'seq5' (mohamed337.key)

(first entry) 27-MAR-2001 AAB64320;

Exendin agonist, SEQ ID NO:140.

Heloderma suspectum

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

AGDGTFTSDLSKQMAEEAVRLF1EWLKN

to: 28 1 match found in sequence:
abb64320 ; Exendin agonist, SEQ ID NO:140.
(from "seq5ags.pep")
TOIG of: aab64320 check: 191 from: 1 to AAB64320 standard; peptide; 28 AA

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Synthetic

WO200073331-A2

07-DEC-2000

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 135; Page 97; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes method agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporalirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulintorropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged bypodlycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional interapy, should not cause weight gain as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64320 Length: 28 February 4, 2005 13:32 Type: P Check: 191 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKOLAEEAVRLFIEFLKN

1 match found in sequence:
 abb64321 ; Exendin agonist, SEQ ID NO:141.
 (from "seq5ags.pep")
 TOIG of: aab64321 check: 626 from: 1 to from: 1 AAB64321 standard; peptide; 28 AAB64321;

to: 28

Exendin agonist, SEQ ID NO:141. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

exendin agonist (AAB64165-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsis, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 Buch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,
hyperblirubinaemia, and subsequent childhood and adolescent obesity.
Exendins are peptides from the salivary secretions of the Gila monster
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit invention relates to the use of an exendin (AAB64181-B64182) or an Example 132; Page 96; 133pp; English. Sequence 28 AA;

AAB64317 Length: 28 February 4, 2005 13:32 Type: P Check: 844 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQXEEEAVRLFIEWLKN

aab64318 ; Exendin agonist, SEQ ID NO:138. check: 419 from: 1 1 match found in sequence: n "seq5ags.pep" of: aab64318

to: 28

AAB64318 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:138. 27-MAR-2001 (first entry) AAB64318;

Exendin agonist;

gonist; gestational diabetes mellitus; GDM; insulin resistance; complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. pregnancy

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes (mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cub as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, polycyth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB64318 Length: 28 February 4, 2005 13:32 Type: P Check: 419
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          from: 1 to: 28
                                                                           Example 133; Page 96; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aab64319; Exendin agonist, SEQ ID NO:139.
(from "seq5ags.pep")
TOIG of: aab64319 check: 630 from: 1 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGDGTFTSDLSKQXEEEAVRLFIEFLKN
especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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AAB64319 standard; peptide; 28 AA 27-MAR-2001 (first entry) AAB64319;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Heloderma suspectum WO200073331-A2. Synthetic.

Exendin agonist, SEQ ID NO:139.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increases insulin secretion. In contrast, in a normal pregnancy, both cinsulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM crenits in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglacemia, hypocalcaemia, hypomagnesemia, polycythaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyposalcaemia, hypomagnesemia, polycythaemia, hyporalinamia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contrainficated for compounds used to treat type 2 diabetes, which are contrainficated for GDM, exendins and exendin agoniats do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraint therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The paseent sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-4 %\$GGGGGGGGGGGGGGGGGGGGG

Sequence 28 AA;

AAB64315 Length: 28 February 4, 2005 13:32 Type: P Check: 522 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQAEEEAVRLFIEWLKN 1

check: 97 from: 1 to: 28 1 match found in sequence: aab64316 ; Exendin agonist, SEQ ID NO:136. from "seq5ags.pep" OIG of: aab64316

AAB64316 standard; peptide; 28 AA 27-MAR-2001 (first entry) AAB64316;

Exendin agonist, SEQ ID NO:136.

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic, anorectic, exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 131; Page 95; 133pp; English.

CC The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64168) for treating gestational diabetes combination of increase insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. Obby pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and unimary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural tube caesurist in an elevated rate of foetal abnormalities such as neural tube celedist, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocaclaemia, hypomagnessemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are poptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for CDM, exendins and exendin agonists do not cross the placent and prolonged effect on blood glucose, and, unlike conventional cinsulin therapy, should not cause weight gain, as they inhibit assendin-query mounts to the invention which is based upon the sequence of exendin-query agonist of the sequence of exendin-query agonist of the sequence of exendin-query agonist of the sequence of exendin-query compounds used upon the sequence of exendin-query compounds to base and the manual prolonged effect on blood glucose.

February 4, 2005 13:32 Type: P Check: 97 AAB64316 Length: 28 February 4, Found using 'seq5' (mohamed337.key) Sequence 28 AA;

AGDGTFTSDLSKQAEBEAVRLFIBFLKN

from: 1 to: 28 aab64317 ; Exendin agonist, SEQ ID NO:137. check: 844 1 match found in sequence: (from "seq5ags.pep") TOIG of: aab64317

AAB64317 standard; peptide; 28 AA (first entry) 27-MAR-2001 AAB64317;

Exendin agonist, SEQ ID NO:137.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2. 07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypogalycaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hyporphilarubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for CDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional potent and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64313 Length: 28 February 4, 2005 13:32 Type: P Check: 482 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKAMEERAVRLFIEWLKN

match found in sequence: aab64314 ; Exendin agonist, SEQ ID NO:134.

(from "seq5ags.pep")
TOIG of: aab64314 check: 43 from: 1 AAB64314 standard; peptide; 28 AA. 27-MAR-2001 (first entry) AAB64314;

to: 28

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:134.

Heloderma suspectum. Synthetic

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 129; Page 94; 133pp; English. especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to

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increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDW results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalitubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects, Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendins and exendin agonists do not cross the placents and thus do not cause severe prolonged hypolycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 \$

Sequence 28 AA;

AAB64314 Length: 28 February 4, 2005 13:32 Type: P Check: 43 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKALEBEAVRLFIBFLKN 1

to: 28 1 match found in sequence:
ab564315, Exendin agonist, SEQ ID NO:135.
(from "seq5ags.pep")
TOIG of: aab64315 check: 522 from: 1 to AAB64315 standard; peptide; 28 AA 27-MAR-2001 (first entry) AAB64315;

Exendin agonist; gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:135.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 130; Page 95; 133pp; English.

an The invention relates to the use of an exendin (AAB64181-B64182) or exendin agonist (AAB64185-B64368) for treating gestational diabetes

such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Beredinia are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for of Dancis and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendindefects, and is associated with an increased risk of neonatal morbidites 8X8888888888888888888888888888888888

Sequence 28 AA;

AAB64311 Length: 28 February 4, 2005 13:32 Type: P Check: 570 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSAQMEEEAVRLFIEWLKN

to: 28 match found in sequence: aab64312 ; Exendin agonist, SEQ ID NO:132. from: 1 check: 131 (from "seq5ags.pep") TOIG of: aab64312

AAB64312 standard; peptide; 28 AA 27-MAR-2001 (first entry) AAB64312;

Exendin agonist, SEQ ID NO:132.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2. 07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

especially in a human. Use of

Example 127; Page 93; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64568) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive

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cisorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
cuch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,
hyperbilitubinaemia, and subsequent childhood and adolescent obesity.
Exendins are peptides from the salivary secretions of the dila monster
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
homology with several members of the glucagon-like peptide family,
particularly GLP-1, and have similar insulinotropic effects. Unlike the
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabeted, which are contraindicated for
compounds used to treat type 2 diabeted and the newborn. They have a
potent and prolonged effect on blood glucose, and, unlike conventional
in therapy, should not cause weight gain, as they inhibit gastric
emptying and reduce appetite. The present sequence represents a exendin
agonist of the invention which is based upon the sequence of exendin-
                       %$$$$$$$$$$$$$$$$$$$$$
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Sequence 28 AA;

AAB64312 Length: 28 February 4, 2005 13:32 Type: P Check: 131 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSAQLEEEAVRLFIEFLKN

to: 28 1 match found in sequence: aab64313; Exendin agonist, SEQ ID NO:133. from: 1 AAB64313 standard; peptide; 28 AA (first entry) check: 482 (from "seq5ags.pep") 27-MAR-2001 AAB64313;

Exendin agonișt; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:133.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC

99US-00323867

01-JUN-1999;

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, glucose levels and tre especially in a human.

Example 128; Page 94; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are

seq5_ags.res

GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for and the Mexican beaded lizard (exendin-3) which exhibit 888888888888888

Sequence 28 AA;

AAB64309 Length: 28 February 4, 2005 13:32 Type: P Check: 492 ound using 'seq5' (mohamed337.key) Pound using 'seq5'

|-----| AGDGTFTSDLAKQMEEEAVRLFIEWLKN

check: 53 from: 1 to: 28 match found in sequence: aab64310 ; Exendin agonist, SEQ ID NO:130. (from "seq5ags.pep") TOIG of: aab64310

AAB64310 standard; peptide; 28 27-MAR-2001 (first entry) AAB64310;

Exendin agonist, SEQ ID NO:130.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 125; Page 92; 133pp; English. especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites висh ав hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,

Evendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin thereapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 hyperbilirubinaemia, and subsequent childhood and adolescent obesity 888888888888888

Sequence 28 AA;

23 AAB64310 Length: 28 February 4, 2005 13:32 Type: P Check: und using 'seq5' (mohamed337.key) Found using 'seq5'

AGDGTFTSDLAKQLEEEAVRLFIEFLKN

to: 28 . match found in sequence: aab64311 ; Exendin agonist, SEQ ID NO:131. from: 1 check: 570 (from "seq5ags.pep") TOIG of: aab64311 c

AAB64311 standard; peptide; 28 AA 27-MAR-2001 (first entry) AAB64311;

Exendin agonist, SEQ ID NO:131.

Exendin agonist; gestational diabetes mellitus, GDM, insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231. 07-DEC-2000.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 126; Page 93; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to results in an elevated rate of foetal abnormalities such as neural tube increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM

GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 8888888888

Sequence 28 AA;

AAB64306 Length: 28 February 4, 2005 13:32 Type: P Check: 141 Found using 'seq5' (mohamed337.key)

AGDGTFTSDASKQLEEEAVRLFIEFLKN

to: 28 1 match found in sequence: aab64307 ; Exendin agonist, SEQ ID NO:127. check: 810 from: 1 from "seq5ags.pep") OIG of: aab64307 c

AAB64307 standard; peptide; 28 AA (first entry) 27-MAR-2001 AAB64307;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:127.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 122; Page 91; 133pp; English. especially in a human.

cxendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (CDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesseemia, polycythaemia, hyporbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family,

particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-

Sequence 28 AA; 8888888888888 Type: P Check: 810 AAB64307 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

|-----| AGDGTFTSDXSKQMEEEAVRLFIEWLKN

28 (from "seq5ags.pep") TOIG of: aab64309 check: 492 from: 1 to: aab64309 ; Exendin agonist, SEQ ID NO:129. 1 match found in sequence:

AAB64309;

AAB64309 standard; peptide; 28 AA

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:129.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 124; Page 92; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders, and with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hyporalirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the dila monster

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emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
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Sequence 28 AA;

AAB64304 Length: 28 February 4, 2005 13:32 Type: P Check: 260 Found using 'seq5' (mohamed337.key)

AGDGTFTSELSKQLEBEAVRLFIEFLKN

to: 28 1 match found in sequence:
 aab64305; Exendin agonist, SEQ ID NO:125.
 (from "seq5ags.pep")
 TOIG of: aab64305 check: 580 from: 1 t

AAB64305 standard; peptide; 28 AA

AAB64305;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:125.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R, WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 120; Page 90; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both ansulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the focus. Women with GDM have increased rates of Caesarian delivery, hypertensive with disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites uch as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporbilirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenca and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a

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potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agoniat of the invention which is based upon the sequence of exendin-
   8833333
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Sequence 28 AA;

AAB64305 Length: 28 February 4, 2005 13:32 Type: P Check: 580 Found using 'seq5' (mohamed337.key)

:

|-----| AGDGTFTSDASKQMEBEAVRLFIEWLKN 1

t0: match found in sequence:
abb64306; Exendin agonist, SEQ ID NO:126.
(From "seq5aga.pep")
TOIG of: aab64306 check: 141 from: 1 t

28

AAB64306 standard; peptide; 28 AA

AAB64306;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:126.

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 121; Page 90; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tuber defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, capturintubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the sallvary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-6) which exhibit changary such as hypoglycaemia, and subsequent of the galucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for

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AAB64302 Length: 28 February 4, 2005 13:32 Type: P Check: 224 Found using 'seq5' (mohamed337.key)
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AGDGTFTSALSKQLEEEAVRLFIEFLKN
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match found in sequence:
aab64303 ; Exendin agonist, SEQ ID NO:123.

check: 699 from: 1 to: 28 (from "seq5ags.pep") TOIG of: aab64303 c

AAB64303 standard; peptide; 28 AA.

27-MAR-2001 (first entry) AAB64303;

Exendin agonist, SEQ ID NO:123.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 118; Page 89; 133pp; English.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (CDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporabiliruhiamemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 invention relates to the use of an exendin (AAB64181-B64182) or an

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AAB64303 Length: 28 February 4, 2005 13:32 Type: P Check: 699 Found using 'seq5' (mohamed337.key)
Sequence 28 AA;
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:

AGDGTFTSELSKOMEEEAVRLFIEWLKN

to: 28 1 match found in sequence: aab64304 ; Exendin agonist, SEQ ID NO:124. check: 260 from: 1 (from "seq5ags.pep" TOIG of: aab64304

AAB64304 standard; peptide; 28 AA

AAB64304;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:124.

gestational diabetes mellitus; GDM; insulin resistance; cation; neonatal abnormality; blood glucose modulator; Exendin agonist; gestational diabetes pregnancy complication; neonatal abno: insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MÅY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 119; Page 89; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes

C emailitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gessarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube coffects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, companiallirubinaemia, and subsequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a cottend and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric

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AGDGTFTADLSKQLEEEAVRLFIEFLKN
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to: 28 . match found in sequence:
aab64301 ; Exendin agonist, SEQ ID NO:121.
(From "seq5ags.pep")
TOIG of: aab64301 check: 663 from: 1 t

AAB64301 standard; peptide; 28 AA.

AAB64301;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:121.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject, especially in a human. Use of

Example 116; Page 88; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64186) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive c disorders such as pre-eclampsia, and urinary tract infections. GDM caesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporaliruhiaemia, and subsequent childhood and adolescent obesity.

C sexudins are populates from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

AAB64301 Length: 28 February 4, 2005 13:32 Type: P Check: 663

Sequence 28 AA;

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AGDGTFTSALSKOMEEEAVRLFIEWLKN
Found using 'seq5' (mohamed337.key)
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. match found in sequence: aab64302; Exendin agonist, SEQ ID NO:122. (from "seq5ags.pep") TOIG of: aab64302 check: 224 from: 1 to: 28 1 match

AAB64302 standard; peptide; 28 AA

AAB64302;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:122.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 117; Page 88; 133pp; English.

cendin agonist (AAB64182-B64368) for treating gestational diabetes
exendin agonist (AAB64185-B64368) for treating gestational diabetes
combination of increased insulin resistance and a diminished ability to
combination of increased insulin resistance and a diminished ability to
increase insulin resistance and insulin secretion increase. GMP pregnancies are
compound in a pare-celampsia, in a normal pregnancy, both
complications in both the mother and the foetus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
calsorders such as pre-celampsia, and unimary tract infections. GDM
cresults in an elevated rate of foetal abnormalities such as neural tube
cefects, and is associated with an increased risk of neonatal morbidites
cuch as hypoglycaemia, hypocalacemia, hypomagnesaemia, polycythaemia,
hyperblirubinaemia, and subsequent childhood and adolescent obesity.
Exemins are peptides from the salivary secretions of the Gila monster
cefexendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family,
homology with several members of the glucagon-like peptide family,
compounds used to treat type 2 diabetes, which are contraindicated for
CDW, exendins and exendin agonists do not cross the placenta and thus do
not cause severe prolonged effect on blood glucose, and, unlike conventional
insulin therapy, should not cause weight gain, as they inhibit gastric
emptying and reduce appetite. The present sequence represents a exendincemptying and reduce appetite. The present sequence of exendin-4
agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

match found in sequence:
aab64299; Exendin agoniet, SEQ ID NO:119.
(from "seq5asp.pe")
TOIG of: aab64299 check: 546 from: 1 to

to: 28

AAB64299 standard; peptide; 28 AA

AAB64299;

(first entry) 27-MAR-2001 Exendin agonist, SEQ ID NO:119.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 114; Page 87; 133pp; English.

combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealintus (GDW) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in exception increase. GDM pregnancies are senorated with complications in different and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycomagnessemia, polycomagnessemia, polycomagnessemia, polycythaemia, hypomagnessemia, polycomagnessemia, polycoma

Sequence 28 AA;

AAB64299 Length: 28 February 4, 2005 13:32 Type: P Check: 546 Found using '8eq5' (mohamed337.key)

AGDGTFTADLSKOMEEEAVRLFIEWLKN

28

aab64300 ; Exendin agonist, SEQ ID NO:120. match found in sequence:

from: 1 to: 28 check: 107 (from "seq5ags.pep" TOIG of: aab64300

AAB64300 standard; peptide; 28 AA AAB64300;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:120.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 115; Page 87; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes caredin agonist (AAB64185-B64368) for treating gregarancy, and is due to a mellitus (GDW) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive cascults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, polycythaemia, chyperaplirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster of the several members of the glucagon-like peptide family, chomology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional cinsulin therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence represents a exendin ce mmy propertion which is based upon the sequence of exendin-

Sequence 28 AA;

AAB64300 Length: 28 February 4, 2005 13:32 Type: P Check: 107 Found using 'seq5' (mohamed337.key)

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to: 28
 from: 1
check: 683
TOIG of: aab64297
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AAB64297 standard; peptide; 28 AA.

AAB64297;

(first entry) 27-MAR-2001 Exendin agonist, SEQ ID NO:117.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2,

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 112; Page 86; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an

combination (Abb64185-B64366) for treating gestational diabetes
mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancies are
associated with complications in both the mother and the foetus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and uninary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia,
hyporlycaemia, hypocalcaemia, hypomagnessemia, polycythaemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obesity.
Exendins are peptides from the salivary secretions of the Gila monster
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agoniats do not cross the placenta and thus do
not cause severe prolonged hypoglycaemia in the newborn. They have a
contrain therapy, should not cause weight gain, as they inhibit gastric
emptying and reduce appetite. The passed upon the sequence of exendin-4
ceptiving and reduce appetite. The based upon the sequence of exendin-4

Sequence 28 AA;

AAB64297 Length: 28 February 4, 2005 13:32 Type: P Check: 683 Found using 'seq5' (mohamed337.key)

AGDGTFSSDLSKQMBEEAVRLFIEWLKN

1 match found in sequence:

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28
                                 ς
τ
aab64298 ; Exendin agonist, SEQ ID NO:118.
                               from: 1
                               check: 244
                  (from "seq5ags.pep"
TOIG of: aab64298
```

AAB64298 standard; peptide; 28 AA

AAB64298;

(first entry) 27-MAR-2001 Exendin agonist, SEQ ID NO:118.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 113; Page 86; 133pp; English.

Exernation relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes celling (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foedal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypocal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites companies are peptides from the salivary secretions of the Gila monster candins are peptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

February 4, 2005 13:32 Type: P Check: 244 AAB64298 Length: 28 February 4, Found using 'seg5' (mohamed337.key)

AGDGTFSSDLSKQLEERAVRLFIEFLKN

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a normalitus of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GDM, exending and exendin againsts do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                        GDM; insulin resistance;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                                                                                                 Exendin agonist; gestational diabetes mellitus; GDM; insulin resistancy pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 110; Page 85; 133pp; English.
                                                                                Exendin agonist, SEQ ID NO:115.
                                                                                                                                                                                                                                                                                                                                                                                                          99US-00323867
                                                                                                                                                                                                                                                                                                                                                                23-MAY-2000; 2000WO-US014231
                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-137634/14.
                                                                                                                                                                                                               Heloderma suspectum
                                                                                                                                                                                                                                                                             WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                          01-JUN-1999;
                                        27-MAR-2001
                                                                                                                                                                                                                                                                                                                        07-DEC-2000
                                                                                                                                                                                                                                     Synthetic.
AAB64295;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hiles R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of
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AAB64295 Length: 28 February 4, 2005 13:32 Type: P Check: 798 Found using 'seq5' (mohamed337.key)

Sequence 28 AA;

AGDGTXTSDLSKQMEEEAVRLFIEWLKN

58 check: 359 from: 1 to: 1 match found in sequence:
aab64296; Exendin agonist, SEQ ID NO:116.
(from "seq5ags.pep")
TOIG of: aab64296 check: 359 from: 1 t

AAB64296 standard; peptide; 28 AA

AAB64296;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:116.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 111; Page 85; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64186) for treating gestational diabetes menlitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive cliscutes and is associated with an increased risk of neonatal morbidites cells in an elevated rate of focal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocapanesaenia, polycythaemia, hypocapanesaenia, polycythaemia, hypocapanesaenia, polycythaemia, hypocapanesaenia, polycythaemia, chypocaplicaenia, polycythaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-2) which exhibit chomology with several members of the glucason-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the computer was and exercise of proposition and exercise of proposition and exercise of particularly dispersion and proposition are peptides. Which are obtained and exercise of particularly dispersion and exercise of particularly dispersional exercises. Which are contrained and thus do GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-

Sequence 28 AA;

AAB64296 Length: 28 February 4, 2005 13:32 Type: P Check: 359 Found using 'seq5' (mohamed337.key)

AGDGTXTSDLSKQLEEEAVRLFIEFLKN

aab64297 ; Exendin agonist, SEQ ID NO:117.
(from "seq5ags.pep") 1 match found in sequence:

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites usuch as hypoglycaemia, hypomagnessamia, polycythaemia, hyporalicania, hypomagnessamia, polycythaemia, hyporalicania, condises to the glucason of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not coase severe prolonged hypoglycaemia in the newborn. They have a contraind of a coase severe prolonged hypoglycaemia in the newborn.
                                              Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendit agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 108; Page 84; 133pp; English.
Exendin agonist, SEQ ID NO:113.
                                                                                                                                                                                                                                                                                                           23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Prickett KS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-137634/14.
                                                                                                                                            Heloderma suspectum
                                                                                                                                                                                                              WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                       01-JUN-1999;
                                                                                                                                                                                                                                                             07-DEC-2000
                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Hiles R,
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AAB64293 Length: 28 February 4, 2005 13:32 Type: P Check: 595 Found using 'seq5' (mohamed337.key) Sequence 28 AA;

AGDGAFTSDLSKOMEEEAVRLFIEWLKN

د٥: match found in sequence: aab64294 ; Exendin agonist, SEQ ID NO:114. check: 156 from: 1 (from "seq5ags.pep")
TOIG of: aab64294

28

AAB64294 standard; peptide; 28 AA

AAB64294;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:114.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1099;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 109, Page 84; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaenia, hypocaphaseasemia, polychaenia, hypocaphistophiansemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the common and exending and contraind care of contraindicated for compounds used to treat type 2 diabetes which are contraindicated for compounds used. GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64294 Length: 28 February 4, 2005 13:32 Type: P Check: 156 Found using 'seq5' (mohamed337.key)

AGDGAFTSDLSKQLEEEAVRLFIEFLKN 1

1: match found in sequence: aab64295; Exendin agonist, SEQ ID NO:115. (from "sed5989:ppp") TOIG of: aab64295 check: 798 from: 1 to: 28

AAB64295 standard; peptide; 28 AA.

ΩX

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancy, both insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated arte of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocanguesemia, polycythaemia, chyporaguesemia, polycythaemia, chyporaguesemia, polycythaemia, chyporaguesemia, polycythaemia, chyporaguesemia, polycythaemia, chypomaguesemia, compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 106; Page 83; 133pp; English.
                                                                                                                                                                                                                       23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       especially in a human.
                                                                                                                                                                                                                                                                                                                                                                    Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-137634/14.
                                              Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                                                                                                      WO200073331-A2
                                                                                                                                                                                                                                                                        01-JUN-1999;
                                                                                                                                                                         07-DEC-2000
                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                    Hiles R,
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27-MAR-2001 AAB64293; SAXAXEX AAB64291 Length: 28 February 4, 2005 13:32 Type: P Check: 690 Found using 'seq5' (mohamed337.key) to: 28 match found in sequence:
aab64292; Exendin agoniet, SEQ ID NO:112.
(form, "seq5ags.pep")
(form, "sed5ags.pep") AAB64292 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:112. AGDGTFTSDLSKQMEBEAVRLFIEWLKN 1 (first entry) 27-MAR-2001

AAB64292;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes

C exaction agonist (AAB64185-B64368) for treating gestational diabetes

C mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gessarian delivery, hypertensive consolidates in an elevated rate of foetal abnormalities such as neural tube cefects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, contraining are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exertal members of the glucagon-like peptide family, cancinally gluch-1, and have similar insulincropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not conserve prolonged effect on blood glucose, and, unlike conventional compounds in the range severe prolonged effect on blood glucose, and, unlike conventional convention and some ranger sendin and some entered and prolonged effect on blood glucose, and, unlike conventional convention and some ranger sendins are severed in agonists do not cross the placents and thus do not sending and exending and exending and exending the man and exending the and the propertion and prolonged effect on blood glucose, and, unlike conventional conventions and exending and exending and exending the and exending and exendi
Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              emptying and reduce appetite. The present sequence represents a exendinagonist of the invention which is based upon the sequence of exendin-4
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TOIG of: aab64293 check: 595 from: 1 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 107; Page 83; 133pp; English.
                                                           insulinotropic; anorectic; exendin-4.
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                                                                                                                         Heloderma suspectum
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                                                                                                                                                                                                                                                                                                                                                                            01-JUN-1999;
                                                                                                                                                                                                                                                                  07-DEC-2000.
                                                                                                                                                       Synthetic.
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seq5_ags.res

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combination features to the use of an exeminal (whost set in teatures) of an exeminal disbetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypochagnesemia, phypomagnesemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Glum monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniets do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional contraint respective and prolonged effect on blood glucose, and, unlike conventional consults and reduce appetite. The present sequence represents a exendin exendin agonist of the present sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-4
cx The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive also may be a secciated with an increased risk of neonatal tube caesults in an elevated rate of focal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypodycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, polycythaemia, hypomagnesaemia, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 104; Page 82; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAEGTFTSDLSKOMEEEAVRLFIEWLKN
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                                                                                                                                                                           23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                     Prickett KS;
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TOIG of: aab64290 c
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                                  WO200073331-A2.
                                                                                                                                                                                                                                                    01-JUN-1999;
                                                                                                       07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                     Hiles R,
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Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

23-MAY-2000; 2000WO-US014231.

Heloderma suspectum.

Synthetic

WO200073331-A2.

07-DEC-2000.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS;

WPI; 2001-137634/14.

invention relates to the use of an exendin (AAB64181-B64182) or an

Example 105; Page 82; 133pp; English.

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Exendin agonist; gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;
AAB64290 Length: 28 February 4, 2005 13:32 Type: P Check: 242 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                         to: 28
                                                                                                                                                                     aab64291 ; Exendin agonist, SEQ ID NO:111.
                                                                                                                                                                                                         check: 690 from: 1
                                                                                                                                                                                                                                              AAB64291 standard; peptide; 28 AA
                                                               |-----
| AAEGTFTSDLSKQLEEEAVRLFIEFLKN
28
                                                                                                                                                                                                                                                                                                                                                         Exendin agonist, SEQ ID NO:111.
                                                                                                                                                                                                                                                                                                                     27-MAR-2001 (first entry)
                                                                                                                                                  match found in sequence:
                                                                                                                                                                                      (from "seq5ags.pep"
TOIG of: aab64291
                                                                                                                                                                                                                                                                                  AAB64291;
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Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:110.

2X2X2X2X2XXXXXXXX

27-MAR-2001 (first entry)

AAB64290;

AAB64290 standard; peptide; 28 AA

Sequence 28 AA;

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the focus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive consults in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythraemia, byperthilmulamenia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contrainding med effect on blood glucose, and, unlike conventional contrainding med effect on blood glucose, and, unlike conventional emperator and prolonged effect on blood glucose, and, unlike conventional contrainding med effect on blood glucose, and, unlike conventional contrainding med effect on blood glucose, and, unlike grantic emprying and reduce appetite. The present sequence represents a exendin emperator in blood glucose, and, unlike different end prolonged effect on blood glucose, and, unlike emperato
                                                                                                                                                                                                                                                                                                         exendins or exendin agonists for lowering or reducing blood e levels and treating gestational diabetes mellitus in a subject,
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                  23-MAY-2000; 2000WO-US014231.
                                                                               99US-00323867
                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                    Prickett KS;
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                                                                                     19661-NDD-10
                                                                                                                                                                                                    Hiles R,
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AAB64287 Length: 28 February 4, 2005 13:32 Type: P Check: 673 Found using 'seq5' (mohamed337.key)

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HGEGTFTSALSKOMEEEAVRLFIEWLKN
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match found in sequence:
aab64288; Exendin agonist, SEQ ID NO:108.
(from "seq5ags.pep")
TOIG of: aab64288 check: 590 from: 1 to: 28
                                                                                                                                           AAB64288 standard; peptide; 28 AA.
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Exendin agonist, SEQ ID NO:108. 27-MAR-2001 (first entry) AAB64288;

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231 07-DEC-2000.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 103; Page 81; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an examdin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes cardin agonist (AAB64185-B64368) for treating greguancy, and is due to a combination of increased insulin resistance and diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Casaarian delivery, hypertensive with GDM have increased rate of foetal abnormalities such as neural tube compared in a seociated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnasemia, polycythaemia, comparation and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Glia monster (exendin-4) and the Maxican beaded lizard (exendin-3) with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists of not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional contraint therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 emphasition which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64288 Length: 28 February 4, 2005 13:32 Type: P Check: 590 Found using 'seq5' (mohamed337.key)

HGEGTFTSDASKQMEEEAVRLFIEWLKN

check: 681 from: 1 to: 28 aab64289 ; Exendin agonist, SEQ ID NO:109. AAB64289 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:109. (first entry) 1 match found in sequence: (from "seq5ags.pep") TOIG of: aab64289 c 27-MAR-2001 AAB64289;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

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The inventor retrieved to the use of an executant (Arbeltela to the use of an executant (Arbeltela to the use of an executant (Arbeltela to the use of the treating greenancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the sallivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin suponists of the present and prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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(AMYL-) AMYLIN PHARM INC.
                                                                                                      Prickett KB;
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                                                                                                            Hiles R,
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AAB64285 Length: 28 February 4, 2005 13:32 Type: P Check: 688 Found using 'seq5' (mohamed337.key)

HGAGTFTSDLSKQMEERAVRLFIEWLKN

aab64286 ; Exendin agonist, SEQ ID NO:106.
(from "seq5ags.pep")
TOIG of: aab64286 check: 676 from: 1 to 1 match found in sequence:

28 ţo:

AAB64286 standard; peptide; 28 AA

AAB64286;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:106.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

Exerciting source to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive associated with an increased risk of neonatal morbidities results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidities such as hypoglycaemia, hypocmagnessaemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Glia monster (exendin-4) and the Maxican beaded lizard (exendin-3) which servibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinorropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cross the placent and prolonged effect on blood glucose, and, unlike conventional insuluin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-3 agonist of the invention which is based upon the sequence of exendin-4 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 101; Page 80; 133pp; English. 99US-00323867. (AMYL-) AMYLIN PHARM INC. especially in a human. Hiles R, Prickett KS; WPI; 2001-137634/14. Sequence 28 AA; 01-JUN-1999;

AAB64286 Length: 28 February 4, 2005 13:32 Type: P Check: 676 Found using 'seq5' (mohamed337.key)

HGEATFTSDLSKQMEBEAVRLFIEWLKN 1

to: 28 . match found in sequence:
aab64287; Exendin agonist, SEQ ID NO:107.
(from "seq5ags.pep")
TOIG of: aab64287 check: 673 from: 1 to

AAB64287 standard; peptide; 28 AA

AAB64287;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:107.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cesearian delivery, hypertensive consolities in an elevated rate of foetal abhormalities such as neural tube results in an elevated rate of foetal abhormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, contrains are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which serving the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placents and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contrainding and reduce appetite. The present sequence represents a exendin empaying and reduce appetite. The present sequence of exendin-3 exendin sequence of exendin-3 exendin sequence of exendin-3 exend
                                                                         exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                      Example 98; Page 79; 133pp; English
                                                                                                                                                       especially in a human.
                     WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                                                                           Jse of
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AAB64283 Length: 28 February 4, 2005 13:32 Type: P Check: 234 Found using 'seq5' (mohamed337.key)

HGEGTFTSALSKOLEEEAVRLFIEFLKN

from: 1 to: 28 aab64284 ; Exendin agonist, SEQ ID NO:104. check: 693 match found in sequence: (from "seq5ags.pep" TOIG of: aab64284

AAB64284 standard; peptide; 28 AA (first entry) 27-MAR-2001 AAB64284;

Exendin agonist, SEQ ID NO:104.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 11-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human

Example 99; Page 79; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and us discussed in increase diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gestarian delivery, hypertensive with GDM have increased rates of foetal abnormalities such as neural tube results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, case hyperilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are poptides from the salivary secretions of the Gila monster (exendin 4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a not cause severe prolonged hypoglycaemia in the newborn. They have a contraindicated for potent and prolonged effect on blood glucose, and, unlike conventional cemptying and reduce appetite. The present sequence represents a exendin-quant cause severe prolonged selected upon the sequence represents a exendin-agonist of the present sequence of exendin-agonist of the present sequence of exendin-agonist of the glucose, and, unlike conventional controls of the present sequence of exendin-agonist of the present sequence of exendin-agonist of the pagents.

Sequence 28 AA;

AAB64284 Length: 28 February 4, 2005 13:32 Type: P Check: 693 Found using '8eq5' (mohamed337.key)

AGEGTFTSDLSKOMEBEAVRLF1EWLKN

to: 28 1 match found in sequence:
aab54285; Exemdin agonist, SEQ ID NO:105.
(from "seqsep.pep")
TOIG of: aab64285 check: 688 from: 1 to AAB64285 standard; peptide; 28 AA (first entry) 27-MAR-2001 AAB64285;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:105. 23-MAY-2000; 2000WO-US014231. Heloderma suspectum WO200073331-A2 07-DEC-2000 Synthetic.

99US-00323867

01-JUN-1999;

glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 96; Page 78; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes call the case of a patient. GDM arises during pregnancy, and is due to a combination of increased insulin receistance and a diminished ability to increase insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive associated with as pre-eclampsals, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cauch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, chyperbilitubinaemia, and subbequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-4) and che Mexican beaded lizard (exendin-4) and che Mexican beaded lizard (exendin-4) and che Mexican beaded lizard (exendin-4) and several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for CGDM, exendins and exendin agonists do not cross the placent and thus do contrainding and exendin agonists do not cross the placent and thus do contrainding and exendin aponists do not cross the placent and exendin agonists of neues severe prolonged effect on blood glucose, and, unlike conventional consultin therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence represents a exendin-compouist to the invention which is based upon the sequence of exendin-

Sequence 28 AA;

AAB64281 Length: 28 February 4, 2005 13:32 Type: P Check: 249 Found using '8eq5' (mohamed337.key)

HGAGTFTSDLSKQLEEEAVRLF1EFLKN

TOIG of: aab64282 check: 237 from: 1 to: 28 1 match found in sequence:
aab64282 ; Exendin agonist, SEQ ID NO:102.
(from "seq5ags.pep")

(first entry) 27-MAR-2001

AAB64282 standard; peptide; 28 AA.

Exendin agonist, SEQ ID NO:102.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Hiles R, Prickett KS;

WPI; 2001-137634/14.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating greatational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to combination of increased insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocapleseamia, polycaclaemia, hypocapleseamia, polycralamia, hypocapleseamia, polycaclamia, pol exendins or exendin agonists for lowering or reducing blood slevels and treating gestational diabetes mellitus in a subject, Example 97; Page 78; 133pp; English especially in a human. Use of

AAB64282 Length: 28 February 4, 2005 13:32 Type: P Check: 237 Found using 'seq5' (mohamed337.key) Sequence 28 AA;

HGEATFISDLSKOLEEEAVRLFIEFLKN

aab64283 ; Exendin agonist, SEQ ID NO:103.
(from "seq5ags.pep")
TOIG of: aab64283 check: 234 from: 1 to: 28 AAB64283 standard; peptide; 28 27-MAR-2001 (first entry) 1 match found in sequence: AAB64283;

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic, anorectic, exendin-4. Exendin agonist, SEQ ID NO:103.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agoniet (AAB64185-B64368) for treating gestational diabetes
cendinated of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Casearian delivery, hypertensive with GDM have increased rates of Casearian delivery, hypertensive cassociated with an increased risk of neonatal tube cerelist in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycychaemia, companian and subsequent childhood and adolescent obesity.

CE scendin 4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a not cause severe prolonged effect on blood glucose, and, unlike conventional compution therapy, should not cause weight gain, as they inhibit gastric appoint of the invention which is based upon the sequence of exendin-3 exendin-4 exendin-4 exendin-4 exercised exercises which are conventional empeying and reduce appetite. The passed upon the sequence represents a exendin-4 empeying and reduce appetite. The based upon the sequence of exendin-4 exendin-4 exendin-4 exercised exercises the placest and exendin-4 empeying and reduce appetite. The passed to sequence of exendin-4 exendin-4 exercised exercises the placest and the empeying Sequence 37 AA; ¥88888888888888888888888888888

AAB64279 Length: 37 February 4, 2005 13:32 Type: P Check: 4015 Found using 'seq5' (mohamed337.key) HGEGTFTSDASKOMEEEAVRLF1EWLKNGGXSSGAXX

to: 28 abb64280; Exemin agonist, SEQ ID NO:100. (from "seq5ags.pep") (Trom "seq5ags.pep") (Trom "seq5ags.pep")

AAB64280 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:100. 27-MAR-2001 (first entry) AAB64280; THE TEXT TO THE TEXT OF THE TE

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Heloderma suspectum

WO200073331-A2. 07-DEC-2000. Synthetic.

23-MAY-2000; 2000WO-US014231. 99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Prickett KS;

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64165-B64368) for treating gestational diabetes concurred increased insulin resistance and a diminished ability to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin complications in both the mother and the feetus. Women with GDM have increased rates of Casarian delivery, hypertensive with GDM have increased rates of Casarian delivery, hypertensive consolidates in an elevated rate of footal abnormalities such as neural tube results in an elevated rate of footal abnormalities such as neural tube contrained as hypoglycaemia, hypomagnessemia, polycythaemia, contrained and adolescent obeatity. Hyperphysicaemia, hypomagnessemia, polycythaemia, contrained and adolescent obeatity. Casardins are peptides from the salivary secretions of the Glia monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contrainedicated for compounds used to treat type 2 diabetes, which are contrained and thus do contrained severe prolonged effect on blood glucose, and, unlike conventional contrained and related and hypoglycaemia in the newborn. They have a contrained not not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-3 general insulin-4 and reduce appetite. The present sequence of exendin-4 agonist of the present sequence of exendin-4 and invention which is based upon the sequence of exendin-4 agonist of the present sequence of exendin-4 and increases. Example 95; Page 77; 133pp; English. Sequence 28 AA; XXXCCCCCCCCCCCCCCCCCCCCCCCCCCCXXX

Type: P Check: 254 AAB64280 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key) 1 match found in sequence: aab64281; Exendin agonist, SEQ ID NO:101. AGEGTFTSDLSKQLEEEAVRLFIBFLKN 28

to: 28 from: 1 AAB64281 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:101. (from "seq5ags.pep") TOIG of: aab64281 check: 249 27-MAR-2001 (first entry) AAB64281;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. 23-MAY-2000; 2000WO-US014231. Heloderma suspectum WO200073331-A2. 07-DEC-2000. Synthetic.

99US-00323867 (AMYL-) AMYLIN PHARM INC. Prickett KS; WPI; 2001-137634/14. 01-JUN-1999; Hiles R,

use of exendins or exendin agonists for lowering or reducing blood

seq5_ags.res

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combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypomagnessemia, polycythaemia, polycythaemia, polycythaemia, polycythaemia, polycythaemia, polycythaemia, polycythaemia, polycythaemia, polycythaemia, polycomia, polycythaemia, polyc
                   $$$$$$$$$$$$$$$$$$$$$$$$$$$
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Sequence 33 AA;

AAB64277 Length: 33 Pebruary 4, 2005 13:32 Type: P Check: 2215 Found using 'seq5' (mohamed337.key)

HGEGTPTSDASKQLEERAVRLFIEFLKNGGPSS

ab54278; Exendin agouist, SEQ ID NO:98. (from "seq5ags.pep")
TOIG Of: ab564278 check: 2649 from: 1 from: 1

to: 29

AAB64278 standard; peptide; 29 AA Exendin agonist, SEQ ID NO:98. 27-MAR-2001 (first entry) AAB64278;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC

99US-00323867.

01-JUN-1999;

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 91; Page 75; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an

cc exendin agonist (AAB64185-B64368) for treating gestational diabetes
mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancies are
associated with complications in both the mother and the foetus. Women
with GDM have increased rates of Gessarian delivery, hypertensive
contents such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
contents and is associated with an increased risk of neonatal morbidites
contents as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obesity.
Carendin are peptides from the salivary secretions of the Gila monster
contents and the Mexican beaded lizard (exendin-3) which exhibit
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agonists do not cross the placenta and thus do
content and prolonged effect on blood glucose, and, unlike conventional
insulin therapy, should not cause weight gain, as they inhibit gastric
compounds to the invention which is based upon the sequence of exendin-4
contents and reduce appetite. The present sequence of exendin-4
contents and reduce appetite. The present sequence of exendin-4

2005 13:32 Type: P Check: 2649 AAB64278 Length: 29 February 4, Found using 'seq5' (mohamed337.key)

Sequence 29 AA;

HGEGTFTSDASKOMEERAVRLF1EWLKNG

to: 37 check: 4015 from: 1 match found in sequence:
aab64279; Exendin agonist, SEQ ID NO:99.
(from "seq5ags.pep")
TOIG of: aab64279 check: 4015 from: 1 Š AAB64279 standard; peptide; 37 AAB64279;

Exendin agonist, SEQ ID NO:99. (first entry) 27-MAR-2001

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. (AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

Prickett KS; Hiles R, WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 92; Page 75; 133pp; English.

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disorders such as pre-eclampsia, and urinary tract infections. GDM disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube cheefus, and as associated with an increased risk of neonatal morbidites defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit the particularly GLP-1, and have similar insulinorropic effects. Unlike the particularly GLP-1, and have similar insulinorropic effects. Unlike the connections and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional intentin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite the present sequence of exendin-4 campine the pagentic of exendin-4 sequence of exendin-4 campine the sequence of exendin-8 campine the sequence of exendin-8 campine to the sequence of exendin-9 campine to the campine to the sequence of exendin-9 campine to the campine to the c
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Sequence 28 AA;

AAB64275 Length: 28 February 4, 2005 13:32 Type: P Check: 1045 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFXEWLKN

to: 28 match found in sequence:
aab64276 ; Exendin agonist, SEQ ID NO:96.
(from "seq5ags.pep")
TOIG of: aab64276 check: 237 from: 1

AAB64276 standard; peptide; 28 AA. 27-MAR-2001 (first entry) AAB64276;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:96.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000,

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, glucose levels and tre especially in a human.

Example 89; Page 74; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both

insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM classified an elevated rate of foetal abnormalities such as neural tube results in an elevated rate of foetal abnormalities such as neural tube results in an elevated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, such subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Glam monster (exendin-1) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like poptide family, homology with several members of the glucagon-like poptide family, homology with several members of the glucagon-like poptide family.

Compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used offect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional potent and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite the passed upon the sequence of exendin-4 55555555555555555555558

Sequence 28 AA;

AAB64276 Length: 28 February 4, 2005 13:32 Type: P Check: 237 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIDFLKN

to: 33 check: 2215 from: 1 match found in sequence: aab64277 ; Exendin agonist, SEQ ID NO:97. AAB64277 standard; peptide; 33 AA (from "seq5ags.pep" TOIG of: aab64277

Exendin agonist, SEQ ID NO:97. 27-MAR-2001 (first entry) AAB64277;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 90; Page 74; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to

```
from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aay17569 ; Exendin agonist peptide #35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY17569 standard, peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 28; Fig 4; 144pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AGDGTFTSDLSKAMEEEAVRLFIEWLKN
1
                                                                                                                                                                                                                                     98WO-US024273.
                                                                                                                                                                                                                                                                     97US-0066029P.
               Exendin agonist peptide #34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide #35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                        Beeley NRA, Prickett KS;
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TOIG of: aay17569 check: 43
                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                         WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Heloderma sp.
                                                                                                                                  Heloderma sp
                                                                                                                                                                  WO9925728-A1
                                                                                                                                                                                                                                     13-NOV-1998;
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                                                                                                                                                                                                  27-MAY-1999.
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                                                                                                                  Synthetic.
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epetides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                   Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                  from: 1
                                                                                               match found in sequence:
aay17567; Exendin agonist peptide #33.
(from "seq5ags.pep")
TOIG of: aay17567 check: 131 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aay17568 ; Exendin agonist peptide #34
                                                                                                                                                                                   AAY17567 standard; peptide; 28 AA
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                   AGDGTFTSDLSAQMEEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
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TOIG of: aay17568
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                                                                                                                                                                                                                                                                                                                                                                                                           Heloderma sp
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Synthetic

AAY17567;

09-AUG-1999 (first entry)

AAY17568;

SXXXE

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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ig 'seq5' (mohamed337.key)
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Ω
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AAY17566 Length: 28 February 4, 2005 13:32 Type: P Check: 570 Found using 'seq5' (mohamed337.key)
#X8X0000000X8
                                                                                                                                                                                                                                                                                AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                        Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                             AAY17564 Length: 28 February 4, 2005 13:32 Type: P Check: 492 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                            to: 28
                                                                                                                                                                 diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                            check: 53 from: 1
                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aay17565 ; Exendin agonist peptide #31
                                                                                                                                                                                     Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                    AGDGTFTSDLAKQMEEEAVRLFIEWLKN
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                                                  98WO-US024273
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                                                                                                               Beeley NRA, Prickett KS;
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                                                                                           (AMYL-) AMYLIN PHARM INC.
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TOIG of: aay17565
                                                                                                                                                                                                                                                                                         Sequence 28 AA;
          WO9925728-A1
                                                                      14-NOV-1997;
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                             27-MAY-1999
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperaglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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diabetes and hypo- or hyper-glycemia.
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aay17566; Exendin agonist peptide #32.
(from "seq5ags.pep")
TOIG of: aay17566 check: 570 from: 1
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                                                                         Claim 28; Fig 4; 144pp; English.
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from: 1

check: 201

TOIG of: aay17563

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AAY17563 standard; peptide; 28

Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp WO9925728-A1

Synthetic.

Exendin agonist peptide #29.

(first entry)

09-AUG-1999

AAY17563;

98WO-US024273. 97US-0066029P.

13-NOV-1998; 14-NOV-1997;

27-MAY-1999.

Beeley NRA, Prickett KS; (AMYL-) AMYLIN PHARM INC

WPI; 1999-347456/29.

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or they can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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exendins and their agonists. They regulate gastric motility and sl
gastric emptying (resulting in lower post-prandial glucose levels)
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                                                                                   Type: P Check: 141
                                                                                                                                                                                                                                                                            to: 28
                                                                                   AAY17561 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                          from: 1
                                                                                                                                                                                                                                      aay17562 ; Exendin agonist peptide #28.
(from "seq5ags.pep")
TOIG of: aay17562 check: 640 from: 1
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                                                   Sequence 28 AA;
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                               Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGDGTFTSDGSKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in seguence:
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TOIG of: aay17564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
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Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-AUG-1999
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. match found in sequence: aay17563 ; Exendin agonist peptide #29. (from "seq5ags.pep")

AGDGTFTSDGSKQMEEEAVRLF1EWLKN

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AAY17535 to AAY17624 represent exendin peptide agonists. Exending are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
        Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                       exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAV17559 Length: 28 February 4, 2005 13:32 Type: P Check: 260 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                          Peptide agonists of exendin - delay s
diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                         Claim 28; Fig 4; 144pp; English.
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                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                           14-NOV-1997;
                                                                                                                                                                                           13-NOV-1998;
                                                                                              Heloderma sp
                                                                                                                             W09925728-A1
                                                                                                                                                             27-MAY-1999
                                                                                                                                                                                                                                                                                            Beeley NRA,
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check: 580 from: 1 match found in sequence:
aay17560; Exendin agonist peptide #26.
(from "seq5ags.pep")
TOIG of: aay17560 check: 580 from: 1

28 : ::

AAY17560 standard; peptide; 28 AA

Exendin agonist peptide #26 09-AUG-1999

(first entry)

Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Synthetic. Heloderma sp.

WO9925728-A1

27-MAY-1999

98WO-US024273 13-NOV-1998;

97US-0066029P. 14-NOV-1997;

(AMYL-) AMYLIN PHARM INC.

Š Beeley NRA, Prickett

WPI; 1999-347456/29.

Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.

AAV17535 to AAV17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels) Claim 28; Fig 4; 144pp; English.

Sequence 28 AA;

AAY17560 Length: 28 February 4, 2005 13:32 Type: P Check: 580 Found using 'seq5' (mohamed337.key)

AGDGTFTSDASKQMEBEAVRLFIEWLKN 1

check: 141 from: 1 1 match found in sequence:
 aay17561 ; Exendin agonist peptide #27.
 (from "seq5ags.pep")
 TOIG of: aay17561 check: 141 from: 1

28 ë

> AAY17561 standard; peptide; 28 AA AAY17561;

Exendin agonist peptide #27.

(first entry)

09-AUG-1999

Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp Synthetic.

WO9925728-A1

27-MAY-1999.

98WO-US024273. 13-NOV-1998;

14-NOV-1997;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Beeley NRA,

WPI; 1999-347456/29.

Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.

Claim 28; Fig 4; 144pp; English

AAY17535 to AAV17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on

to:

Sequence 28 AA;

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Maxico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or they can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                           from: 1
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                                                                                      match found in sequence:
aay17558; Exendin agonist peptide #24
(from "seq5ags.pep")
TOIG of: aay17558 check: 699 from:
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28
AGDGTFTSALSKQLEBEAVRLFIEFLKN
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TOIG of: aay17559 o
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                                        AAY17515 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aay17557 ; Exendin agonist peptide #23.
  (from "seq5ags.pep")
TOIG of: aay17557 check: 224 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY17557 standard; peptide; 28 AA
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  Claim 28; Fig 4; 144pp; English
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Heloderma sp

Synthetic.

09-AUG-1999

AAY17557;

WO9925728-A1

27-MAY-1999

13-NOV-1998; 14-NOV-1997;

Beeley NRA,

Check:

Type: P

2005 13:32

to: 28

Sequence 28.AA;

AAY17554;

Heloderma sp.

Synthetic.

WO9925728-A1

27-MAY-1999.

13-NOV-1998; 14-NOV-1997;

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AAY17515 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetee mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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aay17556; Exendin agonist peptide #22.
(from "seq5ags.pep")
TOIG of: aay17556 check: 663 from: 1
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                                                            98WO-US024273.
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Heloderma sp.
                                                            13-NOV-1998;
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                     27-MAY-1999
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be affect or no vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                            Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay17555; Exendin agonist peptide #21.
(from "seq5ags.pep")
TOIG of: aay17555 check: 107 from: 1
AAY17554 standard; peptide; 28 AA.
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                                                                                 (first entry)
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Heloderma sp WO9925728-A1

Synthetic.

AAY17555;

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Found
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                                                                                                                                                                            AAY17515 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                              Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                    Type: P Check: 359
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                                                                                                                                                                                                                                                                                                                                                                                      AAX17551 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . match found in sequence:
aay17552 ; Exendin agonist peptide #18.
(from "seq5ags.pep")
TOIG of: aay17552 check: 683 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGDGTXTSDLSKQLEEEAVRLFIEFLKN
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Prickett KS;
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                                      WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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Beeley NRA,
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                 Check: 683
                                                 Length: 28 February 4, 2005 13:32 Type: P
g 'seg5' (mohamed337.key)
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    aay17554 ; Exendin agonist peptide #20.
    (from 'seq5ags.pep')
    TOIG of: aay17554 check: 546 from: 1
                                                                                                                                                                                                                                                            . match found in sequence:
aay17553; Exendin agonist peptide #19.
(from "eag5ags.pep")
TOIG of: aay17553 check: 244 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                   AAY17553 standard; peptide; 28 AA.
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Sequence 28 AA;
                                                                                Found using 'seq5'
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                                         AAY17552
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay17551 ; Exendin agonist peptide #17.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY17551 standard; peptide; 28 AA.
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Heloderma sp.
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                                                                 Heloderma sp
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                                                                                                                       27-MAY-1999.
                                                Synthetic.
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                                                                                                                                                                                                                            Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay17550; Exendin agonist peptide #16.
(from "seq5ags.pep")
TOIG of: aay17550 check: 798 from: 1
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                                  natch found in sequence:
aay17549 ; Exendin agonist peptide #15.
                                                                                                            AAY17549 standard; peptide; 28 AA
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                                                                  (from "seq5ags.pep")
TOIG of: aay17549
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                                                                                                                                                          to AAY17624 represent exendin peptide agonists. Exendins are
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                                                                                                         Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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aay17547 ; Exendin agonist peptide #13.
(from "seq5ags.pep")
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                                                                    Prickett KS;
                                                (AMYL-) AMYLIN PHARM INC.
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                                                                    Beeley NRA,
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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                                                                                                                                                                                                                                                                                                                         AAY17547 Length: 28 February 4, 2005 13:32 Type: P Check: 251 ound using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aay17548 ; Exendin agonist peptide #14
(from "seq5ags.pep")
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence
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                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                              Found using 'seq5'
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Waxico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                  Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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(from "seq5ags.pep")
TOIG of: aay17546 check: 690 from: 1
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                                                                              Exendin agonist peptide #11.
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                                                                                                                                                                                                                     Heloderma sp.
                                                                                                                                                                                                                                                           W09925728-A1
                                                                                                                                                                                                                                                                                                                                          13-NOV-1998;
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                                       09-AUG-1999
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AAY17545;
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BXXXXBXBXXXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II; hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                Check: 590
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                28 February 4, 2005 13:32 Type: P (mohamed337.key)
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                                                                                                                                                                                             aay17544 ; Exendin agonist peptide #10.
                                                                                                                                                                                                                                                                            AAY17544 standard; peptide; 28 AA
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aay17545 ; Exendin agonist peptide #11
(from "seq5ags.pep")
TOIG of: aay17545 check: 242 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 28; Fig 4; 144pp; English.
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                                                                                           HGEGTFTSDASKQMEEEAVRLFIEWLKN
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                                                                                                                                                                                                                                    check: 681
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                                                                                                                                                                        1 match found in sequence:
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            AAY17543 Length: 28
Found using 'seq5' (mol
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TOIG of: aay17544
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
Heloderma sp.
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WO9925728-A1

AAY17544;

13-NOV-1998; 27-MAY-1999

WO9925728-A1

27-MAY-1999.

AAY17545 standard; peptide; 28 AA

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WPI; 1999-347456/29.
                                                                                                                                          Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                   AAY17543;
AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                   Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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(from "seq5ags.pep")
TOIG of: aay17542 check: 673 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY17542 standard, peptide; 28
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                                                                                            97US-0066029P.
                                                                         98WO-US024273
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #8.
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                                                                                                                               Beeley NRA, Prickett KS;
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                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
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                                                                                                                                                                                                                                                                                             Sequence 28 AA;
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Heloderma sp.
                  Heloderma sp
                                     WO9925728-A1
                                                                                            14-NOV-1997;
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                                                      27-MAY-1999
        Synthetic
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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   aay17543 ; Exendin agonist peptide #9.
   (from "seq5ags.pep")
   TOIG of: aay17543 check: 590 from: 1
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                                                                                                                                      Claim 28; Fig 4; 144pp; English
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(first entry)

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Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      diabetes and hypo- or hyper-glycemia.
                   aay17540 ; Exendin agonist peptide #6.
(from "seq5ags.pep")
TOIG of: aay17540 check: 688 from: 1
                                                                                                   AAY17540 standard; peptide; 28 AA
                                                                                                                                                                                                                             Exendin agonist peptide #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
  match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                                                                                         Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                               W09925728-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-NOV-1998;
                                                                                                                                                                                    09-AUG-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-MAY-1999.
                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                            AAY17540;
                                                                                                        endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                   Type: P Check: 234
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                                                                                                                                                                                                                                                                                                                                                                                              to: 28
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                                                                                                                                                               Length: 28 February 4, 2005 13:32
; seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                              from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY17539 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aay17539 ; Exendin agonist peptide #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                           HGEGTFTSALSKOLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #5
                                                                                                                                                                                                                                                                                                                                                                                              check: 693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-347456/29
                                                                                                                                                                                                                                                                                                                                                                         (from "seq5ags.pep")
TOIG of: aay17539 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY17539;
                                                                                                                                                                                      Found using
                                                                                                                                                                 AAY17538
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98WO-US024273. 97US-0066029P

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hypergylycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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                                                                                                                                                                                                                                                                                                                 Check: 688
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Found using 'seq5' (mohamed337.key)
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to:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aay17541 ; Exendin agonist peptide #7.
Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                  |-----HGAGTFTSDLSKQMEEEAVRLFIEWLKN
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TOIG of: aay17541
                                                                                                                                                                                                                                                               Sequence 28 AA;
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AGEGTFTSDLSKOMEEEAVRLFIEWLKN

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY17535 to AAY17624 represent exendin peptide agonists. Exendins epptides that are found in the venom of the Gila-monster, a lizard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                                                  Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                      AAY17537 Length: 28 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
                                                                                                                                                    diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
aay17538 ; Exendin agonist peptide #4.
(from "seq5ags.pep")
TOIG of: aay17538 check: 234 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY17538 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 28; Fig 4; 144pp; English
                                                                                                                                                                                 Claim 28; Fig 4; 144pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEATFTSDLSKQLEEEAVRLFIEFLKN
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            97US-0066029P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide #4.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                           (AMYL-) AMYLIN PHARM INC.
                                                                        Prickett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-347456/29.
                                                                                                     WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Heloderma sp.
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              14-NOV-1997;
                                                                          Beeley NRA,
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                      Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                        Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2005 13:32 Type: P Check: 249
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to
                                                                                                                                                                                                                                                                                                                                                                                                       diabetes and hypo- or hyper-glycemia.
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(from "seq5ags.pep")
TOIG of: aay17537 check: 237 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 28; Fig 4; 144pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGAGTFTSDLSKQLBEBAVRLF1EFLKN
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                             Exendin agonist peptide #2
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09-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                           Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-347456/29.
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                                                                                                                                                                                                                                                            14-NOV-1997;
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                                                                                                                                    Heloderma sp
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                                                                                                                    Synthetic
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to: 28

Check: 237

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The peptides are of the formula Xaal-Xaa2-CC (Xaa3-Gly-Thr.Xaa4-Xaa6-Xaa6-Xaa1-Xaa6-Ser-Lys-Asn-Gly-Glu-- Glu-- G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New exendin agonists - useful in the treatment of Type I and II diabetes.
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|-----|
HSDGTPTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                           . match found in sequence:
aay03718 ; Amino acid sequence of exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                          check: 9570 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY03718 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amino acid sequence of exendin-4.
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TOIG of: aay03718 c
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Modified-site
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AAY03718 Length: 39 February 4, 2005 13:32 Type: P Check: 9570

sequence of exendin-4

Sequence 39 AA;

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                     Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                              to: 28
                                             HGEGTFTSDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPS
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                                                                                                                                                              from: 1
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                                                                                                                                                                                             AAY17535 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aay1/736; Exendin agonist peptide #2.
(from "seq5ags.pep")
TOIG of: aay17536 check: 249 from:
                                                                                                                             aay17535 ; Exendin agonist peptide #1.
(from "seq5ags.pep")
TOIG of: aay17535 check: 254 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 28; Fig 4; 144pp; English.
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                            Exendin agonist peptide #1.
                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-347456/29.
                                                                                                               1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                             Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9925728-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27-MAY-1999.
                                                                                                                                                                                                                                                               09-AUG-1999
                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY17536;
                                                                                                                                                                                                                             AAY17535;
                                                                                                                                                                                                  SAKE
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was isolated from a H. suspectum salivary gland CDNA library. The processendin protein comprises of a novel exendin N-terminal peptide (ENTP) linked to the N-terminas of the exendin A-terminal peptide (ENTP) linked to the N-terminas of the exendin N-terminal peptide (ENTP) linked to the N-terminas of the exendin CDNA can be used to clone or identify related sequences (e.g. the exendin 3 gene of Heloderma horridum mutant alleles and processedin gene regulatory defects associated with metabolic disease) and species homologues (e.g. for developing animal models for drug screening). The processedin peptide can be used to raise antibodies. Anti-processedin antibodies are claimed to be useful for diagnosing conditions associated with altered levels of processedin (e.g. endocrine tumours and organ failure), for identifying metabolic diseases (e.g. diabetes) and for neutralising, or detecting, reptilian venom peptides
                                                                                                                                                       Heloderma suspectum proexendin; exendin N-terminal peptide; ENTP; exendin 4 peptide; exendin 3 gene; Heloderma horridum; metabolic disease; drug screening; endocrine tumour; organ failure; cell metabolism; diabetes; reptilian venom peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heloderma suspectum proexendin peptide is encoded by its cDNA which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New nucleic acid encoding proexendin - used to diagnose and treat, endocrine tumours, also to treat poisoning by reptile venom.
                                                                                                                                                                                                                                                                                                                                              46. .47
/note= "Dipeptidyl peptidase cleavage site"
 to: 87
                                                                                                                                                                                                                                                                                                                  1. .23
/note= "Signal peptide"
                                                                                                                          Heloderma suspectum proexendin peptide.
                                                                                                                                                                                                                                                                   Location/Qualifiers
 from: 1
                                                                                                                                                                                                                                                                                                                                                                                             /note= "Exendin 4"
                              AAW70288 standard; protein; 87 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 3; Fig 2; 26pp; English.
                                                                                                                                                                                                                                                                                     1. .47
/note= "ENTP"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        97US-0037412P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98WO-CA000071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ONEO-) 1149336 ONTARIO INC.
check: 973
                                                                                            06-NOV-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                             48. .87
                                                                                                                                                                                                                                       suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1998-447230/38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N-PSDB; AAV33163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 87 AA;
 TOIG of: aaw70288
                                                                                                                                                                                                                                                                                                                                                Cleavage-site
                                                                                                                                                                                                                                                                                                                                                                                                                              WO9835033-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-FEB-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-FEB-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-AUG-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Drucker DJ;
                                                                                                                                                                                                                                       Heloderma
                                                               AAW70288
                                                                                                                                                                                                                                                                                                                  Peptide
                                                                                                                                                                                                                                                                                                                                                                               Peptide
                                                                                                                                                                                                                                                                                   Peptide
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e.g.

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MKIILWLCVFGLFLATLFPISWQMPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQ
AAW70288 Length: 87 February 4, 2005 13:31 Type: P Check: 973 Found using 'seq5' (mohamed337.key)
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AAY03717 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 Found using 'seq5' (mohamed337.key)

sequence of exendin-3

Sequence 39 AA;

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New exendin agonists - useful in the treatment of Type I and II diabetes
                                                                                                             Exendin, agonist, diabetes, disorder, plasma glucose, gastric, diagnostic, gastro-intestinal; radiological; generic.
                                               check: 9591 from: 1 to: 39
                                                                                                                                                          /note= "C-terminal amide"
                                    of exendin-3.
                                                                                                                                             Location/Qualifiers
                                                            AAY03717 standard; peptide; 39 AA
                                                                                                   Amino acid sequence of exendin-3.
                                                                                                                                                                                                                                                                           Disclosure, Fig 2; 70pp; English.
MEEEAVRLFIEWLKNGGPSSGAPPPSG
                                                                                                                                                                                                            97US-0055404P.
                                                                                                                                                                                                98WO-US016387.
                                   aay03717; Amino acid sequence (from "seqSags.pep")
TOIG of: aay03717 check: 9591
                                                                                      (first entry)
                                                                                                                                                                                                                                      Beeley NRA, Prickett KS;
                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                              1 match found in sequence:
                                                                                                                                                                                                                                                 WPI; 1999-180403/15
                                                                                                                                               Key
Modified-site
                                                                                                                                                                                                06-AUG-1998;
                                                                                                                                                                                                            38-AUG-1997;
                                                                                                                                                                       WO9907404-A1
                                                                                      08-JUN-1999
                                                                                                                                                                                    18-FEB-1999.
                                                                                                                                  Synthetic.
                                                                         AAY03717;
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of an exendin-4 variant which is one of the preferred
                                                                                                                                  . match found in sequence:
aaw61774 ; Leu(14), Phe(25)-exendin-4 (1-28) amide, for reducing food intake.
(from "seq5ags.pep")
TOIG of: aaw61774 check: 261 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                Exendin, obesity, type II diabetes, eating disorders, cardiac disease, insulin resistance syndrome, elevated plasma glucose level, agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.
                                                                                                                                                                                                                                                                                                                              Leu(14), Phe(25)-exendin-4 (1-28) amide, for reducing food intake.
 Check: 9131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "the C-terminal is in amide form"
AAW61773 Length: 39 February 4, 2005 13:31 Type: P
Found using 'seq5' (mohamed337.key)
                                                                    HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 18, 26; Page 12; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bhavsar S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                            AAW61774 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           97US-0055404P.
97US-0065442P.
97US-0066029P.
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                                                                                                                                                                                                                                                                                              29-MAR-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                    Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
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14-NOV-1997;
14-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO9830231-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beeley NRA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                          AAW61774;
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, acting disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of an exendin-4 variant which is one of the preferred
                                                                                                                                                                                                                   Exendin, obesity, type II diabetes; eating disorders, cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Check: 151
                                                                                                                                                                                                                                                                                                                                                   /note= "the C-terminal is in amide form"
l match found in sequence:
    aaw61775 ; Leu(14), Ala(22), Phe(25)-exendin-4 (1-28) amide.
    (from "seq5ags.pep")
    TOIG of: aaw61775 check: 151 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Type: P
                                                                                                                                                                                  Leu(14), Ala(22), Phe(25)-exendin-4 (1-28) amide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2005.13:31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bhavsar S;
                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                   AAW61775 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKQLEEEAVRLAIEFLKN
1
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97US-0055404P.
97US-0065442P.
97US-0066029P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  98WO-US000449
                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beeley NRA, Prickett KS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                   Heloderma suspectum.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                    Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-AUG-1997;
14-NOV-1997;
14-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                   WO9830231-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-JAN-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                  16-JUL-1998
                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                   AAW61775;
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aaw70288 ; Heloderma suspectum proexendin peptide.

1 match found in sequence:

Check: 261

Type: P

AAW61774 Length: 28 February 4, 2005 13:31 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKN

(from "seq5ags.pep")

Fri

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match found in sequence:
aaw61772 ; Exemplin-4 (1-28) amide for use in treating disorders related to foo
(from "seq5ags.pep")
TOIG of: aaw61772 check: 700 from: 1 to: 28
         The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonts: The treatment reduces apperite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting section (still effective after 6 hours in a mouse model). The present sequence is that of exendin-4 (1-30) or its amide which is one of the preferred compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin-4 (1:28) amide for use in treating disorders related to food.
                                                                                                                                                                                                           AAW61771 Length: 30 February 4, 2005 13:31 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "the C-terminal is in amide form"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bhavsar
                                                                                                                                                                                                                                                                                                                                                                                                                 AAW61772 standard; peptide; 28 AA
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       97US-0034905P.
97US-0055404P.
97US-0065442P.
97US-0066029P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Prickett KS,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Heloderma suspectum.
                                                                                                                                                                              Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-JAN-1997;
08-AUG-1997;
14-NOV-1997;
14-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW61772;
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diaberes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as

or their analogue(s) eating disorders and

Reducing food intake by administering exendin(s) for treatment of e.g. obesity, type II diabetes, insulin resistance.

WPI; 1998-398796/34.

26; Page 12; 214pp; English.

Claim 18,

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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, ating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of an exendin-4 variant which is one of the preferred
 a much longer-lasting model). The present is one of the preferred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            кесисіng food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.
                                                                                                                                                                                                                                                   match found in sequence:
aaw61773; i Lau(14), Phe(25)-exendin-4 amide, for reducing food intake.
(from "seq5ags.pep)
TOIG Of: aaw61773 check: 9131 from: 1 to: 39
                                                                                                                  Check: 700
                                                                                                                                                                                                                                                                                                                                                                                                                                       Leu(14), Phe(25)-exendin-4 amide, for reducing food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "the C-terminal is in amide form"
                                                                                                                    Type: P
effectively as amylin or cholecystokinin but has action (still-effective after 6 hours in a mouse sequence is that of exendin-4 (1-28) amide which compounds for use in the method
                                                                                                                  AAW61772 Length: 28 February 4, 2005 13:31
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 18, 26; Page 12; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bhavsar S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                      AAW61773 standard; peptide; 39 AA.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                compounds for use in the method
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97US-0055404P.
97US-0065442P.
97US-0066029P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Heloderma suspectum.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39 AA;
                                                                                   Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-AUG-1997;
14-NOV-1997;
14-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                          29-MAR-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence: aaw61770; Exendin-4, for use in treating disorders related to food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin, obesity, type II diabetes, eating disorders, cardiac disease, insulin resistance syndrome, elevated plasma glucose level, agonist.
                                                                                                                                                                         Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin-4, for use in treating disorders related to food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Type: P Check: 9591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 39
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HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                          Claim 16, 24; Page 8; 214pp; English.
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TOIG of: aaw61770 check: 9570 from: 1
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                                                                                                                              Bhavsar
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97US-0055404P.
97US-0065442P.
97US-0066029P.
                         97US-0034905P.
97US-0055404P.
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98WO-US000449
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                                                                                                                              Prickett KS,
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                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                       WPI; 1998-398796/34.
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                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 39 AA;
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14-NOV-1997;
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  07-JAN-1998;
                                                                     14-NOV-1997;
                                                                                                                              Beeley NRA,
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                                           08-AUG-1997;
                             07-JAN-1997
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of exendin-4 which is one of the preferred compounds for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
    aaw61771; Exercián-4 (1-30) for use in treating disorders related to food inta
    aaw6177; form "seq5ags.pep")
    Tolg of: aaw61771 check: 4889 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin-4 (1-30) for use in treating disorders related to food intake.
                           Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and
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/note= "optionally the C-terminal is in amide form"
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Found using 'seqS' (mohamed337.key)
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HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                               Claim 17, 25; Page 8; 214pp; English.
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97US-0055404P.
97US-0065442P.
97US-0066029P.
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WPI; 1998-398796/34
                                                                  insulin resistance
                                                                                                                                                                                                                                                                             use in the method
                                                                                                                                                                                                                                                                                                          Sequence 39 AA;
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Modified-site
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X2X5X5X5X5X5X5X
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Exendin agonists, which reduce gastric motility and delay gastric emptying, can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. They can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some agonists and have been suggested (USS4224286) for treatment of diabetes and prevention of hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial internation and any available as syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; gila monster venom; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                           Regulating gastrointestinal motility using exendins or their agonis for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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HSDGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS
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TOIG of: aaw47609 check: 9570 from: 1
                                                                          Location/Qualifiers
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                                                                                                             /note= "amidated"
Gila monster venom; exendin-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aaw47609 ; Gila monster exendin-4.
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                                     Heloderma horridum
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Modified-site
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AAW47549 describes a generic exendin agonist, provided that it does have the formula of either exendin-3 (AAW47609) or exendin-4 (AAW47609).

Exendin agonists, which reduce gastric motility and delay gastric emptying, can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), comparadial dumping syndrome and hyperslycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents can also be administered to subjects undergoing gastrointestinal chapters of sesonance ingestion, particularly radiological or by magnetic resonance inging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin, obesity, type II diabetes, eating disorders, cardiac disease, insulin resistance syndrome, elevated plasma glucose level; agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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Location/Qualifiers
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TOIG of: aaw61769 c
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Modified-site
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secretion; biosynthesis;

Location/Qualifiers

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Exendin-3; exendin 4; diabetes; insulin; secretion; b:
glucagon reduction; hypoglycaemia; glucose; treatment
                                          Heloderma horridum.
                                                                           Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                     Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                            Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aaw39420 ; H. horridum exendin-3 peptide derivative #63.
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                                                      H. horridum exendin-3 peptide derivative #60.
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96DE-01037230.
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(first entry)
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                                                                                                               Heloderma horridum
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TOIG of: aaw39420
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Modified-site
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05-JUN-1998
                      25-MAR-2003
05-JUN-1998
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 EXZZZZZE
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connect PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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Found using 'seq5' (mohamed337.key)
                                                                                              /note= "C-terminal amide"
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/label= Nle
/note= "Norleucine"
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away1608 ; G11a monster exendin-3.
(from "seq5ags.pep")
TOIG of: aaw47608 check: 9591 f.
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96DE-01037230.
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                                                                    Modified-site
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13-SEP-1996;
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aaw39416 ; H. horridum exendin-3 peptide derivative #59.

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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
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                                                                                                          match found in sequence:
aaw39415 ; H. horridum exendin-3 peptide derivative #58.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                H. horridum exendin-3 peptide derivative #58.
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KSDGTPTSDLSKQABBAAVRLFIEWLKNGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Goeke B;
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96DE-01037230.
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13-SEP-1996;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)

Sequence 30 AA;

Length: 30 February 4, 2005 13:31 Type: P Check: 4732 3 'seq5' (mohamed337.key) Found using 'seq5' AAW39415

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HSDGTFTSDLSKQAEBEAVALFIEWLKNGR
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1 match found in sequence:

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Peptides AAW39103-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate blooynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connently than full length versions. (Updated on 25-WAR-2003 to
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                                                                                                                                                                                                    secretion; biosynthesis;
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                                                                                                                                                                                                   Exendin-3; exendin 4; diabetes; insulin; secretion; bi
glucagon reduction; hypoglycaemia; glucose; treatment.
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aaw39417 ; H. horridum exendin-3 peptide derivative #60.
(from "seq389s.pep")
TOIG of: aaw39417 check: 5371 from: 1 to: 30
                                                                                                                                                                 H. horridum exendin-3 peptide derivative #59.
                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
               from: 1
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                                               AAW39416 standard; peptide; 30 AA
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96DE-01037230.
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(from "seq5ags.pep")
TOIG of: aaw39416 check: 5490
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(first entry)
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Modified-site
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05-JUN-1998
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Check: 5012

Sequence 30 AA;

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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
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so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                                                                                   AAW39410 Length: 30 February 4, 2005 13:31 Type: P Check: 4864 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                     . match found in sequence:
aaw39411; H. horridum exendin-3 peptide derivative #54.
(from "seq5ags.pep")
TOIG of: aaw39411 check: 5012 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         H. horridum exendin-3 peptide derivative #54.
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96DE-01037230.
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do not induce hypoglycaemia.
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(first entry)
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                                                                              economically than correct PR field.)
                                                                                                                                    Sequence 30 AA;
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Modified-site
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypolyvaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have made longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
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                                                                                                                                        1 match found in sequence:
aaw39412 ; H. horridum exendin-3 peptide derivative #55.
Type: P
                                                                                                                                                                                                                                                                                                                                             horridum exendin-3 peptide derivative #55.
                                                                                                                                                                                       to: 30
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 2005 13:31
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                                                                  HSDGTFTSDLSKQAAEEAVRLFIEWLKNGR
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   AAW39411 Length: 30 February 4, Found using 'seq5' (mohamed337.key)
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TOIG of: aaw39412 c
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13-SEP-1996;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                                                Claim 2; Page 30; 150pp; English.
                                                      do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            correct PR field.)
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AAW39408 Length: 30 February 4, 2005 13:32 Type: P Check: 4874 Pound using 'seq5' (mchamed337.key)

|-----| | HSDGTFTSDLAKQAEEEAVRLFIEWLKNGR

match found in sequence: aaw39409 ; H. horridum exendin-3 peptide derivative #52. to: 30 check: 4931 from: 1 (from "seq5ags.pep") TOIG of: aaw39409 cl

AAW39409 standard; peptide; 30 AA (revised)
(first entry) 25-MAR-2003 05-JUN-1998 AAW39409;

H. horridum exendin-3 peptide derivative #52.

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum,

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO9746584-A1

11-DEC-1997

97WO-EP002930. 05-JUN-1997;

96DE-01022502. 96DE-01037230. 05-JUN-1996; 13-SEP-1996; BOEF) BOEHRINGER MANNHEIM GMBH.

Goeke B;

Goeke R,

Hoffmann E,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high,

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 30; 150pp; English.

Claim 2; Page 30; 150pp; English.

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
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                                                                                                                                                                                                                     AAW39409 Length: 30 February 4, 2005 13:31 Type: P Check: 4931 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aw33410 ; H. Dorridum exendin-3 peptide derivative #53.
(from "seq5as.pep")
TOIG of: aaw39410 check: 4864 from: 1 to: 30
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                                                                                                                                                                                                                                                                               HGEGTFTSDLSAQAEEEAVRLFIEWLKNGR
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96DE-01037230.
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(first entry)
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                                                                                                                                                                                            Sequence 30 AA;
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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(from "seq5ags.pep")
TOIG of: aaw39408 check: 4874 from: 1 to: 30
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/note= "C-terminal amide"
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(BOEF ) BOEHRINGER MANNHEIM GMBH.
                                                                                                                                                                                                      Claim 2; Page 30; 150pp; English.
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96DE-01037230.
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Modified-site
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13-SEP-1996;
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                                        Hoffmann B,
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aaw39407 ; H. horridum exendin-3 peptide derivative #50.
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                                                                                                                             (BOEF ) BOEHRINGER MANNHEIM GMBH.
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96DE-01037230.
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TOIG of: aaw39407 c
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13-SEP-1996;
                       05-JUN-1997;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically, than full length versions. (Updated on 25-MAR-2003 to
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Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;
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                 glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
aaw39404 ; H. horridum exendin-3 peptide derivative #47.
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TOIG of: aaw39404 check: 5080 from: 1
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96DE-01037230.
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                                                   Heloderma horridum
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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically, than full length versions. (Updated on 25-MAR-2003 to
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aaw39406; H. horridum exendin-3 peptide derivative #49.
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/note= "C-terminal amide"
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TOIG of: aaw39406 check: 5081
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05-JUN-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-DEC-1997.
                                                                                                                  11-DEC-1997
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diabetes; insulin; secretion; biosynthesis;

glucagon reduction; hypoglycaemia; glucose; treatment

Exendin-3; exendin 4;

Heloderma horridum.

Location/Qualifiers 30 /note= "C-terminal amide"

Key Modified-site

WO9746584-A1

11-DEC-1997.

H. horridum exendin-3 peptide derivative #44.

(revised)
(first entry)

25-MAR-2003 05-JUN-1998

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connentially than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                     Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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                                                                                                                                                                     H. horridum exendin-3 peptide derivative #43.
                 to: 30
                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                   from: 1
                                                                                                                                                                                                                                                                              Location/Qualifiers
30
                                                   AAW39400 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (BOEF ) BOEHRINGER MANNHEIM GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 2; Page 29; 150pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Goeke B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           96DE-01022502.
96DE-01037230.
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(from "seq5ags.pep")
TOIG of: aaw39400 check: 5186
                                                                                                                                     (first entry)
                                                                                                                     (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Goeke R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1998-042119/04.
                                                                                                                                                                                                                                                        Heloderma horridum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 30 AA;
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Modified-site
                                                                                                                    25-MAR-2003
05-JUN-1998
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                                                                                                                                                                                                                                                                                                                                                                                          11-DEC-1997.
                                                                                    AAW39400;
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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

(BOEF) BOEHRINGER MANNHEIM GMBH.

96DE-01037230. 96DE-01022502

13-SEP-1996;

05-JUN-1996;

97WO-EP002930.

05-JUN-1997;

Goeke B;

Goeke R,

Hoffmann E,

WPI; 1998-042119/04.

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW39401 Length: 30 February 4, 2005 13:31 Type: P Check: 5090 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
aaw39402 ; H. horridum exendin-3 peptide derivative #45.
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Claim 2; Page 29; 150pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HSDGTITSDLSKQAEEEAVRLFIEWLKNGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (from "seq5ags.pep")
TOIG of: aaw39402 check: 5065
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(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 30 AA;
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05-JUN-1998
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match found in sequence:
aaw33401; H. horridum exendin-3 peptide derivative #44.
(from "seq5ags.pep")
TOIG of: aaw39401 check: 5090 from: 1 to: 30

HSDGTYTSDLSKQAEEEAVRLFIEWLKNGR

AAW39401 standard; peptide; 30 AA

AAW39401;

axa axa

HSAGTFTSDLSKQAEEEAVRLFIEWLKNGR

Page 300

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sexodin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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                              AAW39393 Length: 30 February 4, 2005 13:31 Type: P Check: 5396 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                match found in sequence:
aaw33937; H. horridum exendin-3 peptide derivative #40.
(from "seq58g.pep")
TOIG of: aaw39397 check: 5063 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                  H. horridum exendin-3 peptide derivative #40.
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30
                                                                                                                                                                                                                                                  AAW39397 standard; peptide; 30 AA
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HTDGTFTSDLSKQXEEEAVRLFIEWLKNGR
28
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96DE-01037230.
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                                                                                                                                                                                                                                                                                                                                 (first entry)
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Sequence 30 AA;
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Modified-site
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                                               Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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. match found in sequence:
aaw39398 ; H. horridum exendin-3 peptide derivative #41.
(from "seq5ags.pep")
TOIG of: aaw33398 check: 4977 from: 1 to: 30
                                                                                                                                                                                                    H. horridum exendin-3 peptide derivative #41.
                                                                                                                                                                                                                                                                                                                                                 /note= "C-terminal amide"
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30
                                                                                AAW39398 standard; peptide; 30 AA
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96DE-01037230.
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(first entry)
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                                                                                                                                                                                                                                                                                   Heloderma horridum.
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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                                                                                                                   AAW39398;
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. match found in sequence: aaw39400 ; H. horridum exendin-3 peptide derivative #43.

1 match

AAW39397 Length: 30 February 4, 2005 13:32 Type: P Check: 5063 Found using 'seq5' (mohamed337.key)

economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)

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Check: 5370

4, 2005 13:31 Type: P

AAW39383 Length: 30 February 4, Found using 'seg5' (mohamed337.key)

'seq5'

Sequence 30 AA;

88333

1 match found in sequence:
 aaw39393 ; H. horridum exendin-3 peptide derivative #36.
 (from "seq5ags.pep")
 TOIG of: aaw39393 check: 5396 from: 1 to: 30

HGDGTFTSDLSKQXEEEAVRLFIEWLKNGR

888888

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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;
                                                                                                                                                                                                               Check: 5358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 aaw39383 ; H. horridum exendin-3 peptide derivative #26.
                                                                                                                                                                                                               Type: P
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                                                                                                                                                                                                            AAW39378 Length: 30 February 4, 2005 13:31
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW39383 standard; peptide; 30 AA
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
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TOIG of: aaw39383 c
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Modified-site
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                Exendin-1; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                     H. horridum exendin-3 peptide derivative #36.
                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                   'note= "Norleucine"
30 AA
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AAW39393 standard; peptide;
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                                                           (revised)
(first entry)
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                                                                                                                                                                            Heloderma horridum.
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Modified-site
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05-JUN-1998
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                             AAW39393;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more

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isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exempliar and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon like peptide 1 (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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Sequence 30 AA;

Check: 5394 Type: P AAW39370 Length: 30 February 4, 2005 13:31 Found using 'seq5' (mohamed337.key)

|-----| HSDGTFTSDLSKQXEEEAVRLFIEWLKNGR

match found in sequence:
aaw39371; H. horridum exendin-3 peptide derivative #14.
(from "seq5ags.pep")
TOIG of: aaw39371 check: 5072 from: 1 to: 30

AAW39371 standard; peptide; 30 AA (first entry) (revised) 25-MAR-2003 05-JUN-1998

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment. H. horridum exendin-3 peptide derivative #14.

Heloderma horridum.

/note= "C-terminal amide" Location/Qualifiers /note= "Norleucine" 'label= Nle Key Modified-site Modified-site

W09746584-A1

97WO-EP002930. 05-JUN-1997;

96DE-01037230 96DE-01022502 13-SEP-1996; 05-JUN-1996;

(BOEF) BOEHRINGER MANNHEIM GMBH

Goeke R, Hoffmann E,

WPI; 1998-042119/04.

- increase Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and Claim 2; Page 28; 150pp; English. not induce hypoglycaemia. secretion and မွ

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and

isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high,

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4

Claim 2; Page 28; 150pp; English.

so they will not induce hypoglycaemia. Compared with glucagon-like

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independent of this activity can increase peripheral glucose utilisation. Sexodin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                                                                                  Check: 5072
                                                                                                                                                                                                                                                                                        aaw39378 ; H. horridum exendin-3 peptide derivative #21.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             label= Nle
/note= "Norleucine"
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96DE-01037230.
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                                                                                                                                                                                                                                                                          match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma horridum
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TOIG of: aaw39378 c
                                                                                                                                        Sequence 30 AA;
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05-JUN-1998
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Claim 2; Page 27; 150pp; English.

secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 27; 150pp; English.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)

Sequence 30 AA;

AAW39368 Length: 30 February 4, 2005 13:31 Type: P Check: 5240 Found using 'seq5' (mohamed337.key)

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGR

aaw39369 ; H. horridum exendin-3 peptide derivative #12.
(from "seq5ags.pep")
TOIG of: aaw39369 check: 5604 from: 1 to: 30 1 match found in sequence:

AAW39369;

AAW39369 standard; peptide; 30 AA

(first entry) (revised) 25-MAR-2003 05-JUN-1998 H. horridum exendin-3 peptide derivative #12.

exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment Exendin-3;

Heloderma horridum.

/note= "C-terminal amide" Location/Qualifiers /note= "Norleucine" 'label= Nle Key Modified-site Modified-site

WO9746584-A1

11-DEC-1997

05-JUN-1997;

96DE-01037230. 96DE-01022502. 13-SEP-1996; 05-JUN-1996;

97WO-EP002930.

(BOEF) BOEHRINGER MANNHEIM GMBH

Goeke Goeke R, Hoffmann E,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation.
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                                                                                                      Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
aaw39370 ; H. horridum exendin-3 peptide derivative #13.
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/note= "Norleucine"
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HSDGTFTSDLSKQXEEEAVRLFIEWLKNGY
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96DE-01037230.
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(first entry)
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TOIG of: aaw39370 c
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13-SEP-1996;
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05-JUN-1998
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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hyposlycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
                                                                             Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                                                                                                                                                                                                                                                                                                                                             AAW39367 Length: 30 February 4, 2005 13:31 Type: P Check: 5051 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
aaw39368; H. horridum exendin-3 peptide derivative #11.
(from "seq5ags.pep")
TOIG of: aaw39368 check: 5240 from: 1 to: 30
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                                                                                                                                          Claim 2; Page 27; 150pp; English.
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HGEGTFTSDLSKQAEEEAVRLFIEWLKNGR
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96DE-01037230.
                                                                                                            do not induce hypoglycaemia.
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                  Goeke R,
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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                  Hoffmann E,
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   Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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TOIG of: aaw39367 check: 5051 from: 1 to: 30
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96DE-01037230.
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96DE-01037230.
 97WO-EP002930.
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                                                                                                              Goeke R,
                                                                                                                                          WPI; 1998-042119/04.
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Modified-site
05-JUN-1997;
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05-JUN-1998
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                                                                                                            Hoffmann E,
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Truncated versions of exendin peptide(s) for treating diabetes - increase
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H. horridum exendin-3 peptide derivative #11
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/note= "C-terminal amide"

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XBXBXHHXSXMMXBXHHXXXXX
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glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
aw39365, i. H. Dorridum exendin-4 peptide derivative #53.
    (from "seeq5as.pep")
TOIG of: aaw33365 check: 4781 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  H. horridum exendin-4 peptide derivative #53.
                                                                 /note= "C-terminal amide"
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(first entry)
                                                                                                                                                                                                              Goeke R,
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                    Heloderma horridum,
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Modified-site
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower adoses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically, than full length versions. (Updated on 25-MAR-2003 to
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aaw39366; H. horridum exendin-4 peptide derivative #54.
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(first entry)
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TOIG of: aaw39366 c
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WO9746584-A1
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25-MAR-2003 05-JUN-1998

AAW39361;

11-DEC-1997

Hoffmann E,

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                  Exendin-3; exendin 4; diabetes; insulin; secretion; blosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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aaw39364 ; H. horridum exendin-4 peptide derivative #52.
                                                           H. horridum exendin-4 peptide derivative #51
                                                                                                                                                                                                                                                    /note= "C-terminal amide"
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96DE-01037230.
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(revised)
(first entry)
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TOIG of: aaw39364
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connently than full length versions. (Updated on 25-MAR-2003 to
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aaw33363; H. horridum exendin-4 peptide derivative #51.
(from "seq5ags.pep")
TOIG of: aaw39363 check: 4501 from: 1 to: 30
                                                                                                                                                                                      H. horridum exendin-4 peptide derivative #49
to: 30
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                                       AAW39361 standard; peptide; 30 AA
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HGEGTFTSDLSKQAEEEAVRLFVEWLKNGR
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96DE-01037230
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check: 5350
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TOIG of: aaw39361
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Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;

H. horridum exendin-4 peptide derivative #52.

AAW39363 standard; peptide; 30 AA

AAW39363

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match found in sequence:

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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    Check: 4986
                                                                                                                                           derivative #48.
      Type: P
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AAW39356 Length: 30 February 4, 2005 13:31 Found using 'seq5' (mohamed337.key)
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KGEGTFTSDLSKQAEEAAVRLFIEWLKNGR
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96DE-01037230.
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TOIG of: aaw39359 c
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically, than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                                                                                                                                             glucagon reduction; hypoglycaemia; glucose; treatment
aaw39360 ; H. horridum exendin-3 peptide derivative #10.
(from "seq5ags.pep")
TOIG of: aaw39360 check: 5490 from: 1 to: 30
                                                                                                                                                                             horridum exendin-3 peptide derivative #10.
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/note= "C-terminal amide"
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96DE-01037230.
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                                                                AAW39360 standard; peptide;
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Modified-site
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05-JUN-1998
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                                                                                               AAW39360;
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Check: 5490

Type: P

2005 13:31

30 February 4, (mohamed337.key)

AAW39360 Length: Found using 'seq5' 1 match found in sequence: aaw39361 ; H. horridum exendin-4 peptide derivative #49.

(from "seq5ags.pep")

|-----| |HSDGTFTSDLSKQAEBEAVRLYIEWLKNGR 28

AAW39359 Length: 30 Pebruary 4, 2005 13:31 Type: P Check: 4711 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQAEEEAVALFIEWLKNGR

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and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucagon, and independent of this activity can increase peripheral glucago utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLD1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more conomically than full length versions. (Updated on 25-MAR-2003 to
treatment of diabetes mellitus. These peptides can stimulate biosynthesis
88888888888888
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Sequence 30 AA;

AAW39353 Length: 30 February 4, 2005 13:32 Type: P Check: 4843 ound using 'seq5' (mohamed337.key) Pound using 'seq5'

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HGEGTFTSDLSKAAEEEAVRLFIEWLKNGR
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1 match found in sequence:
 aaw39354; H. horridum exendin-4 peptide derivative #44.
 (from "seq5ags.pep")
 TOIG of: aaw39354 check: 4991 from: 1 to: 30

AAW39354 standard; peptide; 30 AA

AAW39354;

(first entry) (revised) 25-MAR-2003 05-JUN-1998 H. horridum exendin-4 peptide derivative #44.

exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment Exendin-3;

Heloderma horridum.

Location/Qualifiers
30
/note= "C-terminal amide" Key Modified-site

WO9746584-A1

11-DEC-1997

97WO-EP002930 05-JUN-1997;

96DE-01022502. 96DE-01037230. 05-JUN-1996; 13-SEP-1996; (BOEF) BOEHRINGER MANNHEIM GMBH.

Goeke B; Goeke R, Hoffmann B,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 27; 150pp; English

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide I (GLP1) and the known exendins, they are more active (effective

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at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                         8X33333
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Sequence 30 AA;

Type: P Check: 4991 AAW39354 Length: 30 February 4, 2005 13:31 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQAAEEAVRLFIEWLKNGR

. match found in sequence: aaw39356 ; H. horridum exendin-4 peptide derivative #45. ; ; check: 4986 from: 1 (from "seq5ags.pep") TOIG of: aaw39356 ch

AAW39356 standard; peptide; 30 AA.

AAW39356;

(revised) 25-MAR-2003 05-JUN-1998

(first entry)

H. horridum exendin-4 peptide derivative #45.

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum.

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO9746584-A1

11-DEC-1997

97WO-EP002930 05-JUN-1997;

96DE-01022502. 05-JUN-1996; 13-SEP-1996;

(BOEF) BOEHRINGER MANNHEIM GMBH.

Goeke Hoffmann B, Goeke R,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 27; 150pp; English.

Peptides AAW19303-W19420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)

Sequence 30 AA;

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do not induce hypoglycaemia.
 Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                          Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
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                                                                                                                                                                                                                                                                               Type: P Check: 4853
                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aw393522; H. horridum exendin-4 peptide derivative #42.
(from "seq5ags.pep")
TOIG of: aw39352 check: 4931 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      H. horridum exendin-4 peptide derivative #42.
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                                                                                     Claim 2; Page 26; 150pp; English
                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLAKQAEEEAVRLFIEWLKNGR
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96DE-01037230.
 Goeke
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                                                               do not induce hypoglycaemia.
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Goeke R,
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                     WPI; 1998-042119/04.
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                                                   secretion and
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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Hoffmann E,
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
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glucagon reduction; hypoglycaemia; glucose; treatment.
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aaw39353 ; H. horridum exendin-4 peptide derivative #43.
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/note= "C-terminal amide"
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Claim 2; Page 26; 150pp; English.
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96DE-01037230.
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TOIG of: aaw39353 c
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Modified-site
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13-SEP-1996;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more conomically than full length versions. (Updated on 25-MAR-2003 to
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Found using 'seq5' (mohamed337.key)
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aaw39351 ; H. horridum exendin-4 peptide derivative #41.
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                                                                              (BOEF ) BOEHRINGER MANNHEIM GMBH.
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                                                                                                                       Goeke B;
                 96DE-01022502.
96DE-01037230.
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TOIG of: aaw39351 c
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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13-SEP-1996;
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88X4X4X4X4X4X4X4X4X4X4X4X4X
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TOIG of: aaw39350 check: 4941 from: 1 to: 30
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                                                                                                                                             96DE-01022502.
96DE-01037230.
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                                                                                                                                                                                                                                                   Goeke R,
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Modified-site
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                     W09746584-A1
                                                                                                      05-JUN-1997;
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05-JUN-1998
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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically, than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                            Truncated versions of exendin peptide(s) for treating diabetes - increass secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                              Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW39345 Length: 30 February 4, 2005 13:31 Type: P Check: 5044 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aaw39347 ; H. horridum exendin-4 peptide derivative #37.
(from "seq5ags.pep")
TOIG of: aaw39347 check: 5059 from: 1 to: 30
                        H. horridum exendin-4 peptide derivative #35.
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/note= "C-terminal amide"
                                                                                                     Location/Qualifiers
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96DE-01037230.
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(first entry)
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                                                                               Heloderma horridum
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                                                                                                                 Modified-site
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 05-JUN-1998
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isolated from Heloderma horriding which are used in a movel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucason, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide i (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
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aaw39349 ; H. horridum exendin-4 peptide derivative #39.
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                                                                                                                    /note= "C-terminal amide"
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96DE-01037230.
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Heloderma horridum
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TOIG of: aaw39349
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05-JUN-1998
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Fri Feb

AAW39344 standard; peptide; 30 AA

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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aaw39344 ; H. horridum exendin-4 peptide derivative #34.
(from "seq5ags.pep")
TOIG Of: aaw39344 check: 5069 from: 1 to: 30
1 match found in sequence:
aaw39343 ; H. horridum exendin-4 peptide derivative #33.
                                                                                                                                                                                                                                                                                                                                                                                                 H. horridum exendin-4 peptide derivative #33.
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/note= "C-terminal amide"
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96DE-01037230.
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TOIG of: aaw39343 c
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isolated from Heloderma horriding which are used in a movel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, po they will not induce hyposlycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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                                                                                                                                        Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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Found using 'seq5' (mohamed337.key)
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TOIG of: aaw39345 check: 5044 from: 1 to: 30
                                                                                                          H. horridum exendin-4 peptide derivative #34.
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HGEGTITSDLSKQAEEEAVRLFIEWLKNGR
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05-JUN-1998
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Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
AAW39340 Length: 30 February 4, 2005 13:31 Type: P Check: 5039 Found using 'seq5' (mohamed337.key)
                                                                                                                                                           match found in sequence:
aaw33341; H. horridum exendin-4 peptide derivative #31.
(from "seq5ags.pep")
TOIG of: aaw39341 check: 4956 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                           H. horridum exendin-4 peptide derivative #31.
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05-JUN-1998
                                                                                                                                                                                                                                                                                     AAW39341;
                                                                                                                                                                                                                                                      peptides AhW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity an increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
     longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;
glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                              Check: 5359
                                                                                                                                                                                                                                                                                   match found in sequence:
aaw39340; H. horridum exendin-4 peptide derivative #30.
(from "seq5ags.pept")
TOIG of: aaw39340 check: 5039 from: 1 to: 30
                                                                                                                              Type: P
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Found using 'seq5' (mohamed337.key)
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| ASDGTFTSDLSKQVEEEAVRLFIEWLKNGR
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96DE-01037230.
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                                                                                                 Sequence 30 AA;
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13-SEP-1996;
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05-JUN-1998
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/note= "C-terminal amide" Location/Qualifiers

(first entry) (revised)

(BOEF) BOEHRINGER MANNHEIM GMBH.

96DE-01022502. 96DE-01037230. 97WO-EP002930.

13-SEP-1996;

05-JUN-1997; 05-JUN-1996;

11-DEC-1997.

WO9746584-A1

'n

Goeke

Goeke R,

Hoffmann B,

WPI; 1998-042119/04.

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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like at lower (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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HGEGAFTSDLSKQAEEEAVRLFIEWLKNGR

Sequence 30 AA;

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exemplar are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
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Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aaw39338 ; H. horridum exendin-3 peptide derivative #7.
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             Page 25; 150pp; English
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TOIG of: aaw39338 check: 5075
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Modified-site
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05-JUN-1998
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             Claim 2;
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to: 30

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Check: 4522

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a
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and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                                                                                                                                               AAW39338 Length: 30 February 4, 2005 13:31 Type: P Check: 5075 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                     aaw39339 ; H. horridum exendin-3 peptide derivative #8. (from "seq5ags.pep")
TOIG of: aaw39339 check: 5359 from: 1 to: 30
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96DE-01037230.
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(first entry)
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                                                                                                                                                       correct PR field.)
                                                                                                                                                                                                 Sequence 30 AA;
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Modified-site
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05-JUN-1998
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WPI; 1998-042119/04.
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05-JUN-1998
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13-SEP-1996;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doess), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically, than full length versions. (Updated on 25-MAR-2003 to
                                                               Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     diabetes; insulin; secretion; biosynthesis;
                                                                                                                                                                                                                                                                                           30 February 4, 2005 13:31 Type: P Check: 5397 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 glucagon reduction; hypoglycaemia; glucose; treatment
                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aaw39332 ; H. horridum exendin-4 peptide derivative #26.
(from "seqSags.pep")
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                                                                                                          Claim 2; Page 25; 150pp; English,
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(BOEF ) BOEHRINGER MANNHEIM GMBH
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|HSEGTFTSDLSKQXEEEAVRLFIEWLKNGR
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                      Goeke B;
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                      Goeke R,
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                                         WPI; 1998-042119/04.
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Found using 'seq5'
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Modified-site
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05-JUN-1998
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                      Hoffmann E,
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Peptides AAW39103-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-WAR-2003 to
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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
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aaw39337 ; H. horridum exendin-3 peptide derivative #6.
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/note= "C-terminal amide"
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                                                                                                                                                    Claim 2; Page 25; 150pp; English.
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                                                                               do not induce hypoglycaemia.
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(first entry)
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TOIG of: aaw39337 cl
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Modified-site
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sexedin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLR1) and the known exendins, they are more active (effective at lower aboses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                         Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
aaw39331 ; H. horridum exendin-4 peptide derivative #25.
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TOIG of: aaw39331 check: 5397 from: 1
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                                                              (BOEF ) BOEHRINGER MANNHEIM GMBH.
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HAEGTFTSDLSKQXEEEAVRLFIEWLKNGR
                                                                                                         Goeke B;
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96DE-01022502.
96DE-01037230.
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96DE-01037230.
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(first entry)
                                                                                                         Hoffmann E, Goeke R,
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05-JUN-1996;
13-SEP-1996;
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05-JUN-1998
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13-SEP-1996;
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TOIG of: aaw39317 check: 5361 from: 1 to: 30
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate blosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connenically than full length versions. (Updated on 25-WAR-2003 to
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Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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aaw39315 ; H. horridum exendin-3 peptide derivative #3.
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05-JUN-1998
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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
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05-JUN-1998
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Key Modified-site

WO9746584-A1

05-JUN-1997;

11-DEC-1997

13-SEP-1996;

Hoffmann E,

05-JUN-1996;

25-MAR-2003 05-JUN-1998

AAW39311;

Exendin-3;

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hyposlyvaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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Found using 'seq5' (mohamed337.key)
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aaw39314 ; H. horridum exendin-3 peptide derivative #2.
                                                                                                                                                                                                                                /note= "N-terminal acetylated"
                                        H. horridum exendin-4 peptide derivative #9.
                                                                                                                                                                                                                                                                           /note= "C-terminal OH group"
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| HGEGTFTSDLSKQIEEEAVRLFIEWLKNGR
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05-JUN-1998 (first entry)
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                                                                                                                                                Heloderma horridum
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TOIG of: aaw39314 cl
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                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                            05-JUN-1997;
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05-JUN-1998
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SEXERES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Truncated versions of exendin peptide(s) for treating diabetes - increass secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                            exendin 4; diabetes; insulin; secretion; biosynthesis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30 February 4, 2005 13:31 Type: P Check: 5051 (mohamed337.key)
                                                                                                                                                                                                                                   glucagon reduction; hypoglycaemia; glucose; treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aaw39312 ; H. horridum exendin-4 peptide derivative #9.
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/note= "C-terminal OH group"
                                                                                                                                                                    H. horridum exendin-4 peptide derivative #8.
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                      AAW39311 standard; peptide; 30 AA.
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96DE-01037230.
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TOIG of: aaw39312 check: 5163
                                                                                                      (revised)
(first entry)
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Check:

H. horridum exendin-3 peptide derivative #2.

25-MAR-2003 (revised)

AAW39312;

SXXXE

(first entry)

seq5_ags.res

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycameia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
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AAW39308 Length: 30 February 4, 2005 13:31 Type: P Check: 4988 Found using 'seq5' (mohamed337.key)
                                                                                                                                        1 match found in sequence:
   aaw39309; H. horridum exendin-4 peptide derivative #6.
   (from "seq5ags.pep")
TOIG OF: aaw3309 check: 4855 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                       H. horridum exendin-4 peptide derivative #6.
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HGEGTFTSDLSKQMEEEAVRAFIEWLKNGR
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96DE-01037230.
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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AAW39309 Length: 30 February 4, 2005 13:31 Type: P Check: 4855 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKAGR

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-WAR-2003 to
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                                                                                                                                                                                                                                                   secretion; biosynthesis;
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glucagon reduction; hypoglycaemia; glucose; treatment
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Found using 'seq5' (mohamed337.key)
. match found in sequence:
aaw33310 ; H. horridum exendin-4 peptide derivative #7.
(from "seq5ags.pep")
TOIG of: aaw39310 check: 4624 from: 1 to: 30
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aaw39311 ; H. horridum exendin-4 peptide derivative #8.
(from "seq5ags.pep")
TOIG of: aaw39311 check: 5051 from: 1 to: 30
                                                                                                                                                                                                                   H. horridum exendin-4 peptide derivative #7.
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/note≈ "C-terminal amide"
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                                                                                         AAW39310 standard; peptide; 30 AA
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96DE-01037230.
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                                                                                                                                                                                  (first entry)
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a
and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more conomically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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                                                                                                                                                                                                                                                                                                                                                                                                               aaw39306 ; H. horridum exendin-4 peptide derivative #3.
(from "seq5ags.pep")
TOIG of: aaw39306 check: 5373 from: 1 to: 30
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Modified-site
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-MAR-2003 to
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longer lasting effect. Truncated forms of this peptide can be made economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                         Length: 30 February 4, 2005 13:31 Type: P Check: 5373
9 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                            1 match found in sequence:
aav33308 ; H. horridum exendin-4 peptide derivative #5.
(from "seq5ags.pep")
TOG of: aaw33308 check: 4988 from: 1 to: 30
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                                                                                                                                                                                                                                                                                                                                  AAW39308 standard; peptide; 30 AA
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HGEGTFTSDLSKQXEEEAVRLFIEWLKNGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Goeke B;
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96DE-01037230.
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma horridum.
                                                                          Sequence 30 AA;
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05-JUN-1998
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Sequence 30 AA;

Check: 5583

HGEGTFTSDLSKQXEEEAVRLFIEWLKNGY

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                               AAW39304 Length: 30 February 4, 2005 13:31 Type: P
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                  Sequence 30 AA;
          88888888888888888
                                                             Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically, than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                                                                                                                                                                                                                                                                                AAW39303 Length: 30 February 4, 2005 13:31 Type: P Check: 5373 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
aaw39304 ; H. horridum exendin-4 peptide derivative #2.
(from "seq5ags.pep")
TOIG OF: aaw39304 check: 5583 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  H. horridum exendin-4 peptide derivative #2.
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/note= "Norleucine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW39304 standard; peptide; 30 AA.
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                              Claim 2; Page 19; 150pp; English
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HGEGTFTSDLSKQXEEEAVRLFIEWLKNGR
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96DE-01037230.
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                                                                                                                                                                                                                                                                                                                              Sequence 30 AA;
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Modified-site
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05-JUN-1998
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13-SEP-1996;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis
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                                                                                                                                                                                Exendin-1; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
1 match found in sequence:
aaw39305 ; H. horridum exendin-3 peptide derivative #1.
                                                                                                                                                         H. horridum exendin-3 peptide derivative #1.
                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
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                                        check: 5394 from: 1
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                                                                                                                                                                                                                                                                                     /note= "Norleucine"
                                                                  AAW39305 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 2; Page 20; 150pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          (BOEF ) BOEHRINGER MANNHEIM GMBH.
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96DE-01037230.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                         /label= Nle
                                                                                                                     (revised)
(first entry)
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                                                                                                                                                                                                                        Heloderma horridum.
                            (from "seq5ags.pep")
TOIG of: aaw39305 c
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05-JUN-1998
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13-SEP-1996;
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                                                                                          AAW39305;
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Claim 2; Page 20; 150pp; English.

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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                                      This peptide is a fragment of exendin-3 isolated from Heloderma horridum. This peptide and its salts, esters and derivatives can be used to treat diabetes mellitus. They stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradarion and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aaw33302 ; H. horridum exendin-4 peptide.
(from "seq5ags.pep")
TOIG of: aaw33302 check: 5399 from: 1
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                                (BOEF ) BOEHRINGER MANNHEIM GMBH
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HSDGTFTSDLSKQMEEEAVRLFIEWLKNGX
                                                                                                                                                                                             Claim 1; Page 3; 150pp; English
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96DE-01037230.
96DE-01037230.
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(first entry)
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                                                              Goeke R,
                                                                                              WPI; 1998-042119/04.
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Modified-site
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13-SEP-1996;
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13-SEP-1996;
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05-JUN-1998
                                                              Hoffmann E,
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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
              Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                                         This peptide is a fragment of exendin-4 isolated from Heloderma horridum. This peptide and its salts, esters and derivatives can be used to treat diabetes mealitus. They estimulate blosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaenia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin 4; diabetes; insulin; secretion; biosynthesis;
                                                                                                                                                                                                                                                                                                                                                           AAW39302 Length: 30 February 4, 2005 13:31 Type: P Check: 5399
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             glucagon reduction; hypoglycaemia; glucose; treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
aaw39303; H. horridum exendin-4 peptide derivative #1.
(from "seq5ags.pep")
TOIG of: aaw39303 check: 5373 from: 1 to: 30
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|HGEGTFTSDLSKQMEEEAVRLFIEWLKNGX
                                                                                  Claim 1; Page 4; 150pp; English.
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96DE-01037230.
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                                                do not induce hypoglycaemia.
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05-JUN-1998
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13-SEP-1996;
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H. horridum exendin-3 peptide.
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     BX FX BX BX FT FFX SX FF X BX 
                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a method of inhibiting antro-duodenal motility in a patient, comprising administering a glucagon-like peptide (GLP-1) molecule. The method is used to premedicate or in endoscopic procedures or to treat or prevent non-infectious acute and chronic diarrhoea, post-operative dumping syndrome, irritable bowel syndrome or symptoms associated with narcotics withdrawal. Unlike prior art treatment with glucagon, the invention is not contraindicated in persons with diabetes, does not the risks of side effects such as nausea, and is not expensive. The present sequence represents mammalian glucagon-like peptide-1, (GLP-1) homologue, exendin 4 as described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human, glucagon-like peptide 1; GLP-1; serum lipid; triglyceride; plasma;
low density lipoprotein; high density lipoprotein; cholesterol; stroke;
fatty acid; plasma; apolipoprotein; dyslipidaemia; fatty acid; artery;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cerebrovascular disease; cardiovascular disease; aneurysm; surgery; bypass graft stenosis; diabetes mellitus, anticoagulative treatment; coronary thrombosis; antilipaemic; cardiant; cerebroprotective; exendin; antidiaterteriosclerotic; vasotropic; nootropic; antianginal.
                                                                                                                                                                                                                                                                     Inhibiting antro-duodenal motility, useful to prevent or treat gastrointestinal disorders such as irritable bowel syndrome and nor infectious diarrhea, comprises administering glucagon-like peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAU07380 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 ound using 'seq5' (mohamed337.key)
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14-MAR-2001; 2001WO-EP002882.
                                              14-MAR-2000; 2000US-0189091P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-MAR-2001; 2001WO-DK000150
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-JAN-2002 (first entry)
                                                                                                                                                                         Schirra J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
                                                                                                                                                                                                                       WPI; 2001-596887/67.
                                                                                              (GOEK) GOEKE B. (SCHI/) SCHIRRA J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (from "seq5ags.pep"
TOIG of: aau08763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Found using 'seq5'
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                                                                                                                                                                         Boeke B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention
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The invention relates to a medicament for lowering serum lipids, comprising a glucagon-like peptide 1 (GLP-1) agonist. The GLP-1 agonist is used for lowering total serum lipids such as low density lipoproteins particularly small, dense lipoproteins, triglycerides, cholesterol and non-esterified fatty acids, for increasing high density lipoproteins, for lowering plasma levels of lipoprotein, for inhibiting generation of apolipoprotein, for inhibiting generation of lowering fatty acids, such as free fatty acids and non-esterified fatty acids. The medicament is also useful for treating cerebrovascular
                                                                                                                                                                                                                                                                                            Use of glucagon-like peptide-1 agonist for manufacturing a medicament for lowering total serum lipids e.g. low density lipoproteins and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              diseases and cardiovascular diseases such as stroke, cerebral haemorrhage, coronary heart disease, coronary artery disease, diabetic vasculopathy, atherosclerosis, peripheral atherosclerosis, arteriosclerosis, myocardial infarction, ischaemic heart disease, restenosis, peripheral artery disease, angina pectoris, intermittent claudication, aneurysms of aorta and other large arteries, bypass graft stenosis and diabetes mealitus. The peptides may also be used in anticoagulative treatment e.g. following a coronary thrombosis or after surgery. This sequence represents a fragment of a degenerate exendin polypeptide, a GLP-1 agonist
                                                                                                Sturis J, Larsen PJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 40; 52pp; English,
(NOVO ) NOVO NORDISK AS.
                                                                                                Selmer J,
                                                                                                                                                                                           WPI; 2001-602602/68
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                                                                                                                                                                                                                                                                                                                                                                                                 cholesterol.
                                                                                                Knudsen LB,
                                                                                                                                                                                                                                                                                                 Use
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AAU08763 Length: 31 February 4, 2005 13:32 Type: P Check: 7617 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX

to: 30 aaw39301; H. horridum exendin-3 peptide. (from "seq5ags.pep")
TOIG of: aaw39301 check: 5420 from: 1 AAW39301 standard; peptide; 30 AA (revised)
(first entry) 25-MAR-2003 05-JUN-1998 AAW39301;

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum.

30
/note= "This residue can be any amino acid except Gly" Location/Qualifiers 97WO-EP002930. Key Modified-site WO9746584-A1 11-DEC-1997.

96DE-01022502 05-JUN-1997; 05-JUN-1996;

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AAU07380;
The invention relates to a method of producing crystals of a glucagon-
like peptide-1 (GLP-1) analogue or producing a GLP-1 analogue or a GLP-1
analogue attached to a lipophilic substituent, which involves preparing
an aqueous solution comprising a GLP-1 analogue, a salt, and an organic
solvent, and isolating the crystals after formation. The method is useful
for producing crystals of a GLP-1 or for producing a GLP-1 analogue
trached to a lipophilic substituent. These are useful for preparing a
pharmaceutical composition such as an injectable drug, and as an
intermediate product in the manufacturing process for preparing GLP-1
analogue, and for preparing a mono-acylated GLP-1 analogue. The
implementation of a crystallisation step in the manufacturing process for
the preparation of a GLP-1 analogue results in removal of coloured
compounds from the fermentation broth, reduction of yeast host cell
proteins, such as Saccharomyces cerevisiae proteins as well as removal of
water, and low loss of the GLP-1 analogue from the mother liquor. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              present sequence represents the amino acid sequence of exendin polypeptide fragment #1, a GLP-1 analogue used to treat diabetes mellitus types I or II and prevention of hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Producing crystals of glucagon-like peptide-1 analog for preparing pharmaceutical composition, by preparing aqueous solution comprising the analog, salt and organic solvent, and isolating crystals after formation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAU07291 Length: 31 February 4, 2005 13:32 Type: P Check: 7617 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aau07378 ; Glucagon-like peptide-1 (GLP-1) homologue, exendin 3.
(from "seq5ags.pep")
TOIG of: aau07378 check: 9591 from: 1 to: 39
                         Exendin; glucagon-like peptide-1; GLP-1; crystallisation;
diabetes mellitus; hyperglycaemia; therapeutic.
                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 18; 33pp; English.
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                                                                                                                                                                                                 /label= Pro, Tyr
                                                                                                                                                                                                                                                                                                                                                                                                   31-JAN-2000; 2000DK-00000156.
                                                                                                                                                                                                                                                                                                                                                  31-JAN-2001; 2001WO-DK00067.
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                                                                                                                                                                          Misc-difference 31
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                                                                                                                                                                                                                                                   WO200157084-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Arentsen AC
                                                                                                                                                                                                                                                                                                    09-AUG-2001
                                                                                                  Synthetic.
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Antidiarrhoeic, antiinflammatory; antiaddictive; premedication;

3lucagon-like peptide-1 (GLP-1) homologue, exendin 3.

2×2×1×2×2×2

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The invention relates to a method of inhibiting antro-duodenal motility in a patient, comprising administering a glucagon-like peptide (GLP-1) molecule. The method is used to premedicate or in endoscopic procedures or to treat or prevent non-infectious acute and chronic diarrhoea, post-operative dumping syndrome, irritable bowel syndrome or symptoms associated with narcotics withdrawal. Unlike prior art treatment with glucagon, the invention is not contraindicated in persons with diabetes, does not incur the risks of side effects such as nausea, and is not expensive. The present sequence represents mammalian glucagon-like peptide-1, (GLP-1) homologue, exendin 3 as described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antidiarrhoeic; antiinflammatory; antiaddictive; premedication; antro-duodenal motility; glucagon-like peptide-1; GLP-1; endoscopy; diarrhoea; post-operative dumping syndrome; irritable bowel syndrome; narcotics withdrawal; exendin 4.
antro-duodenal motility; glucagon-like peptide-1; GLP-1; endoscopy; diarrhoea; post-operative dumping syndrome; irritable bowel syndrome; narcotics withdrawal; exendin 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Inhibiting antro-duodenal motility, useful to prevent or treat gastrointestinal disorders such as irritable bowel syndrome and non-infectious diarrhea, comprises administering glucagon-like peptide.
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                      14-MAR-2001; 2001WO-EP002882
                                                                                                                                                                                                                                                                                                                                                                14-MAR-2000; 2000US-0189091P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goeke B, Schirra J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-596887/67
                                                                                                                                                                                                                                                                                                                                                                                                                       (GOEK/) GOEKE B.
(SCHI/) SCHIRRA J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq5ags.pep")
TOIG of: aau07380 cl
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                                                                                                                             Homo sapiens.
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treating

Sequence 39 AA;

mechanisms

#X8X8888X888X8

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Insulin release; exendin; GLP-1; diabetes type I; diabetes type II; obesity; gastric ulcers; gastric acid secretion; apoptosis; antidiabetic; anorectic; antiulcer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a new pulmonary liquid or dry formulation comprises a GLP-1 compound to which a lipophilic substituent is attached, optionally via a spacer. The formulation is useful in a pulmonary delivery device. The formulation is useful for reducing blood glucose levels, treating diabetes type I, diabetes type II, obesity and gastric culores, and inhibiting gastric acid secretion and apoptosis of betacells. The present sequence is an exendin peptide, derivatives of which can be used as a spacer peptide with GLP-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New pulmonary liquid or dry formulation comprises a GLP-1 compound to which a lipophilic substituent is attached, optionally via a spacer, useful in a pulmonary delivery device.
release stimulating polypeptide, exendin.
                                                                                                                                                                                                              Insulin release stimulating polypeptide, exendin.
                                           :
to:
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to:
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aau07291 ; Exendin polypeptide fragment #1.
(from "sed5ags.pep")
TOIG of: aau07291 check: 7617 from: 1 t
                        (from "seq5ags.pep")
TOIG of: aau05785 check: 7617 from: 1
                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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                                                                                   AAU05785 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU07291 standard; peptide;
                                                                                                                                                                    (first entry)
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; Insulin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-OCT-2001
                                                                                                                                                                    24-OCT-2001
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                                                                                                                                                                                                                                                                                                                                            Synthetic.
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                                                                                                                           AAU05785;
  aau05785
                                                                                   8X4X5X8
                                                                               AAR80545 is Heloderma horridum exendin-3. It is an insulinotropic peptide, and can therefore be used in the freatment of diabetes mellitus (types or I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in)dependent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAR80546 is Heloderma suspectum exendin-4. It is an insulinotropic peptide, and can therefore be used in the treatment of diabetes mellitus (types I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in)dependent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           - for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin-4; diabetes mellitus; hyperglycaemia; insulinotropic peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Stimulating/inhibiting insulin release with exendin polypeptide(s) treating diabetes mellitus and preventing hyperglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Type: P Check: 9570
                                                                                                                                                                                                                                                        Type: P Check: 9591
diabetes mellitus and preventing hyperglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           to: 39
                                                                                                                                                                                                                                                      AAR80545 Length: 39 February 4, 2005 13:31
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                         HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                               aar80546; Heloderma suspectum exendin-4. (from "seq5ags.pep")
TOIG of: aar80546 check: 9570 from: 1
                                       Claim 5; Col 13-14; 17pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAR80546 standard, peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma suspectum exendin-4.
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                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1995-262627/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Heloderma suspectum
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Check: 7617

Type: P

31

Exendin polypeptide fragment #1.

1 match found in sequence:

Sequence 39 AA;

mechanisms

Found using 'seq5'

AAR80546

(ENGJ/) ENG J.

Eng J;

24-MAY-1993; 24-MAY-1993;

13-JUN-1995 US5424286-A

27-FEB-1996

AAR80546

seq5_ags.res

1 match

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Stimulating/inhibiting insulin release with exendin polypeptide(s) - for treating diabetes mellitus and preventing hyperglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Stimulating/inhibiting insulin release with exendin polypeptide(s) - for
                                                                                                                                                                                                                                                                                                                                                                                                                                        AAR80544 is the Heloderma suspectum exendin-4 residues 1-31, where the native Pro31 has been replaced with a Tyr residue. It is an insulinotropic peptide, and can therefore be used in the treatment of diabetes mellitus (types I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in)dependent mechanisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin-3; diabetes mellitus; hyperglycaemia; insulinotropic peptide.
Exendin-4; residues 1-31; Y-31-Exendin-4(1-31); diabetes mellitus;
hyperglycaemia; Tyr31; insulinotropic peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAR80544 Length: 31 February 4, 2005 13:31 Type: P Check: 7648 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                        Claim 2; Col 13-14; 17pp; English.
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                                                                                                                                                                                                                                                                                                               WPI; 1995-262627/34.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
                                                        Heloderma suspectum
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TOIG of: aar80545 c
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                                                                                                                                                                                                                                         (ENGJ/) ENG J.
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                                                                                                                                                                   24-MAY-1993;
                                                                                                                                                                                                     24-MAY-1993;
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                                                                                           US5424286-A
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                                                                                                                                                                                                                                                                             Eng J;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAR80543 is the Heloderma suspectum exendin-4 residues 1-31. It is an insulinctropic peptide, and can therefore be used in the treatment of diabetes mellitus (types I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in) dependent mechanisms
                                                                                                                                                  residues 1-31 (Exendin-4(1-31)).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Stimulating/inhibiting insulin release with exendin polypeptide(s) treating diabetes mellitus and preventing hyperglycaemia.
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                                                                                                                                                                                                                                                                                                                                    Heloderma suspectum exendin-4 residues 1-31 (Exendin-4(1-31)).
                                                                                                                                                                                                                                                                                                                                                                  Exendin-4; residues 1-31; Exendin-4(1-31); diabetes mellitus;
hyperglycaemia; insulinotropic peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aar80544 ; Heloderma suspectum exendin-4 residues 1-31-Tyr31.
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                                                       HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                               . match found in sequence:
aar80543; Heloderma suspectum exendin-4
(from "seq5ags.pep")
TOIG of: aar80543 check: 7369 from: 1
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TOIG of: aar80544
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Eng J;

BXXXXXXXXX

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adenylate cyclase activating peptide (PACAP) receptor 3 (R3) agonist polypeptides. The polypeptides stimulate insulin release from pancreatic beta cells. They are useful for treating metabolic disorders such as type 2 diabetes and the pre-diabetic state of impaired glucose tolerance. They are useful for treating respiratory diseases and for stimulating insulin release in a glucose-dependent manner. The R3 agonists are useful for treating and/or preventing diseases and conditions such as diabetes, asthma, hypertension, male reproduction problems including human sperm motility, cardiovascular diseases and ulcers. They are useful in gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gila monster; glucagon-like peptide-1; insulin resistance; diabetes; atherosclerotic cardiovascular disease; congestive heart failure; GLP-1; antidiabetic; antiarteriosclerotic; cardiant.
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aao19591 ; Gila monster exendin 3.
(from "seq5ags.pep")
TOIG of: aao19591 check: 9591 f
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                               Sequence 39 AA;
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Modified-site
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13-FEB-2003
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The present invention relates to a method of treating insulin resistance-associated conditions comprising administration of glucagon-like peptide-1 (GLP-1). The method is useful for treating insulin resistance-cardiovascular diseases (ASCD), drug-induced insulin resistance (especially glucocorticoid- or growth hormone-induced), congestive heart failure (not associated with toxic hypervolemia), diminished exercise capacity of skeletal muscle and left ventricular dysfunction with cardiac metabolic myopathy or diminished exercise capacity of skeletal muscle and left ventricular dysfunction with cardiac The present sequence is an exendin protein from the Gila monster.

(Updated on 23-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Treatment of insulin resistance-associated conditions, e.g. type-2 prediabetes, ASCD, drug-induced insulin resistance, congestive heart failure or diminished exercise capacity, comprises administration of GLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gila monster; glucagon-like peptide-1; insulin resistance; diabetes; atherosclerotic cardiovascular disease; congestive heart failure; GLP-1; antidiabetic; antiarteriosclerotic; cardiant.
   muscle.
metabolic myopathy or diminished exercise capacity of skeletal mu
The present sequence is an exendin protein from the Gila monster.
(Updated on 23-OCT-2003 to standardise OS field)
                                                                                                             Check: 9591
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                     HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                    AAO19593 standard; peptide; 39
                                                                                                                                                                                                                                                         1 match found in sequence:
aao19593 ; Gila monster exendin 4.
(from "seq5ags.pep")
TOIG of: aao19593 check: 9570 fi
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                                                                         Sequence 39 AA;
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Modified-site
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13-FEB-2003
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 888333
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AA019593 Length: 39 February 4, 2005 13:32 Type: P Check: 9570

Sequence 39 AA;

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dependent diabetes mellitus or obesity, comprises a glucagon-like peptide compound fused to human albumin or to the Fc portion of an
                              Example 6; Page 90; 200pp; English
               immunoglobulin.
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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLD-1) compound and the second is a human albumin or its analogue or fragment, or the Fc portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with medicament for treating the above mentioned diseases. The present sequence is human GLP/exendin peptide analogue

Sequence 39 AA;

AAE30938 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

check: 7617 from: 1 aag62439 ; Exendin polypeptide #1.
(from "seq5ags.pep") 1 match found in sequence: TOIG of: aag62439

to: 31

AAG62439 standard; peptide; 31 AA 04-SEP-2001 (first entry) AAG62439;

Exendin polypeptide #1.

antiapoptotic; cytostatic; immunosuppressive; neuroprotective; nootropic; anti-HIV; antiParkinsonian; cerebroprotective; antidiabetic; stroke; type 2 diabetes; cancer; immunological disorder; multiple sclerosis; acquired immunodeficiency syndrome; AIDS; neurodegenerative disorder; Alzheimer's disease; Parkinson's disease; exendin. cell degeneration; GLP-1; glucagon-like peptide-1; agonist;

Unidentified

Location/Qualifiers 31 /label= Pro, Misc-difference

WO200135988-A1

25-MAY-2001

10-NOV-2000; 2000WO-DK000625

12-NOV-1999; 99DK-00001628. 22-FEB-2000; 2000DK-0000270.

(NOVO) NOVO NORDISK AS.

Carr RD; Petersen JS, С. С. Godtfredsen Knudsen LB,

WPI; 2001-329208/34.

Treating beta cell degeneration in subjects, particularly humans, involves administering GLP-1 agonists.

Disclosure; Page 41; 59pp; English

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This invention relates to a method of treating beta cell degeneration through the administration of a GLP-1 (glucagon-like peptide-1) agonist.

Use of the method results in antiapoptoric; cytostatic; immunosuppressive; neuroprotective; nootropic; anti-HIV (human immunodeficiency virus); antiParkinsonian; cerebroprotective; and antidiabetic activity. The claims refer to the use of a specific GLP-1 analogue Arg34, Lys26(N-epsilon-(gamma-Glu(N-alpha-hexadecanoy1))-GLP-1 (7-37). The method is used for the treatment of beta cells degeneration, particularly apoptosis or prevent beta cell degeneration, loss of beta cell tunction, beta cell dysfunction and/or death of beta cells, such as necrosis or apoptosis of beta cells, in subjects, preferably mammals, especially humans. The pera cells, in subjects, preferably mammals, especially humans. The disorders, multiple sclerosis, acquired immunodeficiency syndrome (AIDS), and neurodegenerative disorders such as Alzheimer's disease, stroke and polypeptide, an GLP-1 agonist which can be used in the method of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin-1; pituitary adenylate cyclase activating peptide; PACAP; antidiabetic; antiasthmatic; hypotensive; cardiant; antiulcer; respiratory disease; diabetes; glucose intolerance; asthma; male fertility; cardiovascular disease; ulcer; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                         AAG62439 Length: 31 February 4, 2005 13:32 Type: P Check: 7617
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAG70462 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PACAP receptor 3; R3; agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-SEP-2000; 2000WO-US026638.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-SEP-1999; 99US-00407832.
15-JUN-2000; 2000US-00595280.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-367200/38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tsutsumi M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (FARB ) BAYER CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (from "seq5ags.pep")
TOIG of: aag70462 c
                                                                                                                                                                                                                                                                                                                                                          Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aag70462 ; Exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200123420-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unidentified
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAG70462;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CXXXXBXBXBXBXBXBXBXXBXXBXBXBXBXBXBXCX
X66666666666666666666668X&
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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a Veraminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLD-1) compound and the second is a human albumin or its analogue or fragment, or the Fc portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with medicament for treating the above mentioned diseases. The present sequence is a fusion protein of the invention
                                                                                                                     Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide compound fused to human albumin or to the Fc portion of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human, glucagon-like peptide 1; GLP-1; albumin, immunoglobulin, Ig; therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic.
                                                                                                                                                                                                                                                                                                                                                             Check: 7029
                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTPTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPSGGGGGGGGGGGGGSAGPKSC
                                                                                                                                                                                                                                                                                                                                                               Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
aae30937; Human GLP/exendin peptide analogue #1.
(from "seq5ags.pep")
TOIG of: aae30937 check: 7369 from: 1 to: 31
                                                                                                                                                                                                                                                                                                                                                           AAE30934 Length: 287 February 4, 2005 13:32
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human GLP/exendin peptide analogue #1.
                                                                              Tschang SR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                              Example 6; Page 85; 200pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE30937 standard; peptide; 31 AA
           29-NOV-2001; 2001WO-US043165.
                               07-DEC-2000; 2000US-0251954P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-NOV-2001; 2001WO-US043165
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-FEB-2003 (first entry)
                                                                            Micanovic R,
                                                     (ELIL ) LILLY & CO ELI
                                                                                                 WPI; 2003-018534/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                            DKTHTCPPCPAPELLGGP
                                                                                                                                                                                                                                                                                                                                        Sequence 287 AA;
                                                                                                                                                           immunoglobulin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200246227-A2
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                            Glaesner W,
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Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-I) compound and the second is a human albumin or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mellitus or obseity, or for the manufacture of medicament for treating the above mentioned diseases. The present sequence is human GLP/exendin peptide analogue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human, glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic.
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Found using 'seq5' (mohamed337.key)
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aea30938; Human GLP/exendin peptide analogue #2.
(from "seq5ags.pep,)
TOIG of: aae30938 check: 9570 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            39
/note= "C-terminal amide"
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                                                                         Tschang SR
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                                                                                                                                                                                                                                                                                                                                                                                        Example 6; Page 90; 200pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE30938 standard; peptide; 39 AA
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                                                                     Glaesner W, Micanovic R,
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(ELIL ) LILLY & CO ELI
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                                                                                                                                          WPI; 2003-018534/01
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                                                                                                                                                                                                                                                                                                                          immunoglobulin.
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Modified-site
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Techang SR;

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Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an immunoglobulin.
                                                                                                                                                                                                                                                                          Example 6; Page 85; 200pp; English.
                                                                               29-NOV-2001, 2001WO-US043165.
                                                                                                         07-DEC-2000; 2000US-0251954P.
                                                                                                                                                         Glaesner W, Micanovic R,
                                                                                                                                                                                   WPI; 2003-018534/01.
                                                                                                                                 (ELIL ) LILLY & CO
                              WO200246227-A2.
                                                       13-JUN-2002
     Chimeric.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61
                                                                                                                                                                                                                                                                                                                                                                The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a Neterminus and a Ceterminus and the first polypeptide is a glucagon -like peptide 1 (GLP-1) compound and the second is a human albumin or its analogue or fragment, where the Ceterminus of first polypeptide is fused to the Neterminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with medicament for treating the above mentioned diseases. The present sequence is a fusion protein of the invention
                                                                                                                                                                                                                                                                          Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human, glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
therapy, non-insulin diabetes mellitus; obesity; antidiabetic; anorectic; fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   932 Length: 272 February 4, 2005 13:32 Type: P Check: 5210 using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPSAEPKSCDKTHTCPPCPAPELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
aae30933 ; Exendin-4-C2-Immunoglobulin G1 (IgG1) fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin-4-C2-Immunoglobulin G1 (IgG1) fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 272
                                                                                                                                                                                                                           Techang SR;
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                                                                                                                                                                                                                                                                                                                                           Example 6; Page 84; 200pp; English.
                                                                                                                                              29-NOV-2001; 2001WO-US043165.
                                                                                                                                                                        07-DEC-2000; 2000US-0251954P
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                                                                                                                                                                                                                          Glaesner W, Micanovic R,
                                                                                                                                                                                                (ELIL ) LILLY & CO ELI
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                                                                                                                                                                                                                                                   WPI; 2003-018534/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 272 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (from "seq5ags.pep")
TOIG of: aae30933 o
                                                                                            WO200246227-A2.
                                                                                                                                                                                                                                                                                                                    immunoglobulin.
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Unidentified
                                           Homo sapiens.
Unidentified.
                                                                                                                      13-JUN-2002
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                                                                 Chimeric.
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     SSXXXXXXXXXXXXXXX
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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a nerminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-I) compound and the second is a human albumin or its analogue or fragment, or the PC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mallitus or obseity, or for the manufacture of medicament for treating the above mentioned diseases. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human, glucagon-like peptide 1; GLP-1; albumin; immunoglobulin, Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
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aae30934 ; Exendin-4-linker-Immunoglobulin Gl (IgGl) fusion protein.
(from "seq5ags.pep")
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |-----HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAASSGAAEPKSCDKTHTCPPCPAPELL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE30933 Length: 272 February 4, 2005 13:32 Found using '8eq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 272 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  fusion protein.
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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a Neterminus and a Ceterminus of First polypeptide is a glucagon -like peptide I (GLP-1) compound and the second is a human albumin or its analogue or fragment, or the Fc portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with medicament for treating the above mentioned diseases. The present sequence is a fusion protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide compound fused to human albumin or to the Fc portion of an
                                                                                    Human, glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
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HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGAPPPSGGGGGSGGGGSGAHKS
                                        Exendin-4-linker-human serum albumin (HSA) fusion protein.
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aae30932 ; Exendin-4-Immunoglobulin G1 (1gG1) fusion protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tschang SR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 6; Page 81-82; 200pp; English.
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Glaesner W, Micanovic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (BLIL ) LILLY & CO ELI
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Found using 'seq5' (mo
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TOIG of: aae30932 cl
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                                                                                                                                         fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           immunoglobulin,
                                                                                                                                                                                                                                                                             WO200246227-A2
                                                                                                                                                                                      Homo sapiens.
Unidentified.
24-FEB-2003
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                                                                                                                                                                                                                                    Chimeric.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GIP-1) compound and the second is a human albumin or its analogue or fragment, or the FC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with non-insulin diabetes mellitus or obesity, or for the manufacture of medicament for treating the above mentioned diseases. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Pc portion of an
                                                                                                                                                                                                                                                                                                                                                agon-like peptide 1, GLP-1, albumin, immunoglobulin, Ig; therapy; insulin diabetes mellitus; obesity; antidiabetic; anorectic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              aae30920 ; Exendin-4-linker-human serum albumin (HSA) fusion protein. (from "seq5ags.pep")
TOIG of: aae30920 check: 3586 from: 1 to: 640
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence is exendin-4 peptide used in the invention
                                                                                                                   to: 39
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                                                                                                                check: 9570 from: 1
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                                                                                                                                                              AAE30913 standard; peptide; 39 AA
                                           1 match found in sequence:
aae30913 ; Exendin-4 peptide (7-45).
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ک
                                                                                                                                                                                                                                                                                                       Exendin-4 peptide (7-45).
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                                                                                           "seq5ags.pep"
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                                                                                                                   TOIG of: aae30913
                                                                                                                                                                                                                                                                                                                                                     Glucagon-like
                                                                                                                                                                                                                                                                                                                                                                                                                                           Unidentified.
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Glaesner W,

13-JUN-2002

exendin-4.

AAE30913;

(from

Check: 3586

Human; glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;

Exendin-4-Immunoglobulin G1 (IgG1) fusion protein.

AAE30920

SXXX

272 ; t seq5_ags.res

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(first entry)
26-MAR-2002
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Gila monster exendin 4 peptide.

Acute coronary syndrome; ACS; Q-wave myocardial infarction; Q-wave MI; angina; non-Q-wave cardiac necrosis; ischaemic heart disease; congestive heart failure; heart murmur; troponin I; troponin I; troponin I; creatine kinase myocardial iscenzyme; CK-WB; ST-segment; chest pain; nausea; palpitation; dizziness; angioplasty; pulmonary oedema; peripheral oedema; extrasystole; arterial fibrillation; arrhythmia; diabetes; hypertension; hypercholesterolaemia; hyperlipidaemia; obesity; smoking; impaired glucose tolerance; blood glucose; thrombolytic therapy; cardiac distress; glucagon-like peptide-1; GLP-1 homolog; Gila monster; exendin 4.

Heloderma suspectum.

/note= "C-terminal amide" Location/Qualifiers 39 Key Modified-site

WO200189554-A2.

29-NOV-2001.

18-MAY-2001; 2001WO-US015996

19-MAY-2000; 2000US-0205239P.

(BION-) BIONEBRASKA INC.

Coolidge TR, Ehlers M;

WPI; 2002-089892/12.

New method of treating patients suffering from acute coronary syndrome, but not suffering from Q-wave myocardial infarction involves the use of glucagon-like peptide-1 derivatives.

Disclosure; Page 15; 38pp; English

The invention relates to a novel method or treating patients usinitating from acute coronary syndrome (ACS) and not from Q-wave myocardial infarction (Q-wave MI) that involves administering a glucagon-like copyidate-1 (GLP-1) molecule to the patients. The method is also useful for treating patients suffering from stable/unstable angina, non-Q-wave cardiac-1 (GLP-1) molecule to the patients. The method is also useful for treating patients in non-Q-wave cardiac necrosis, ischaemic heart disease or at a risk of developing ischaemic heart disease, cardiac abnormalities including congestive heart callure, worsening heart murmur (due to mirral regurgitation and cardiac conduction disturbances); for treating patients who have a blood tropoin I level of less than 0.4 ng/ml and blood troponin T level of less than 0.4 ng/ml and blood troponin T level of less than 0.4 ng/ml and blood troponin T level of less than 0.4 ng/ml and blood troponin T level of less than 0.4 ng/ml and blood troponin T level of less than 0.4 ng/ml and not exhibit a pathological Q-wave, exhibit con one such as chest pain following minimal service in duration, cefest pain following minimal service in duration, cefest pain following minimal service of the construction prior to the onset of the symptoms, and having normal ECG. GLP-1 compound is further useful in angioplasty, for treating patients showing symptoms of pulmonary and peripheral oedema, atrial or whyperlipidaemia, obesity and smoking. The administration of GLP-1 consequent hypoglycaemia and hyperquent reperfusion-induced injury. An advantage of using GLP-1 molecules is that high doses can be used without advantage of using GLP-1 molecules is that high doses can be used without adverse effects, as the action of the molecules increases the time during thore of the molecule increases the time during the during clearing plucose metabolism in individuals including those colerules. The molecules increases the time during described because the time during the during the during the during the durin becomes effective following the first symptom of cardiac distress. The The invention relates to a novel method of treating patients suffering

Check: 9591

Type: P

AAE30912 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

Sequence 39 AA;

HSDGTFTSDLSKQMEERAVRLFIEWLKNGGPSSGAPPPS

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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-I) compound and the second is a human albumin or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with medicament for treating the above mentioned diseases. The present sequence is exendin-3 peptide used in the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide compound fused to human albumin or to the Fc portion of an
present sequence is Gila monster exendin 4 peptide which is homologous to
mammalian GLP-1 peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig; therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
                                                                                           AAE14427 Length: 39 February 4, 2005 13:32 Type: F Check: 9570 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                   HGEGTFTSDLSKOMBEBAVRLPIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                        AAE30912 standard; peptide; 39 AA
                                                                                                                                                                                                                                      1 match found in sequence:
   aea30912; Exendin-3 peptide (7-45).
   (from "seq5ags.pep")
   TOIG of: aea30912 check: 9591 from
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                                                              Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unidentified
                                                                                                                                                                                                                                                                                                                                                                                             24-FEB-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin-3.
                                                                                                                                                                                                                                                                                                                                                          AAE30912;
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18-MAY-2001; 2001WO-US015996 19-MAY-2000; 2000US-0205239P

29-NOV-2001

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Acute coronary syndrome; ACS; Q-wave myocardial infarction; Q-wave MI; angina; non-Q-wave cardiac necrosis; ischaemic heart disease; congestive heart failure; heart murmur; troponin I; t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They seem to modify the postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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aae14425 ; Gila monster exendin 3 peptide.
(from "seq5ags.pep")
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                                                                                                          Location/Qualifiers
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Synthetic
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The invention relates to a novel method of treating patients suffering from acute coronary syndrome (ACS) and not from Q-wave myocardial infarction (Q-wave MI) that involves administering a glucagon-like infarction (Q-wave MI) that involves administering a glucagon-like peptide-1 (GLP-1) molecule to the patients. The method is also useful for treating patients and last so developing cardiac necrosis, ischeemic heart disease or at a risk of developing cardiac necrosis, ischeemic heart disease, cardiac abnormalities including congestive heart fallure, worsening heart murmur (due to mitral regurgitation and cardiac conduction disturbances); for treating patients who have a blood troponin conduction disturbances); for treating patients who have a blood troponin conduction disturbances); for treating patients who have a blood troponin conduction disturbances); for treating patients who have a blood troponin conduction disturbances, for treating patients and ST-segement elevated blood creatine kinase myocardial enzyme and ST-segement elevated blood creatine kinase myocardial enzyme consumer to chest pain following minimal exertion (that is pain or symptoms such as chest pain following minimal exertion (that is chest pain at rest or chest pain following minimal exertion (that is chest pain at rest or chest pain following minimal exertion (that is chest pain at rest or chest pain following minimal exertion (that is chest, papitation and dizziness and have not suffered from a Q-wave myocardial infarction prior to the onset of the symptoms, and having normal ECC. The chowing symptoms of pulmonary and peripheral oedema, atrial or ventricular extrasystoles, arterial fibrillation and other arrathylmias; and those suffering from diabetes, hypertension, whypercholesterolaemia, obesity and smooking. The administration of GLP-1 molecules is that high doses can be used without adverse effects as the action of the molecules are consequence is glain glar in molecules in individuals including which thrombolytic present sequence is 
                                                                                                                                                                                                                                                                                                                                                          New method of treating patients suffering from acute coronary syndrome, but not suffering from Q-wave myocardial infarction involves the use of glucagon-like peptide-1 derivatives.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB14425 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS
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aae14427 ; Gila monster exendin 4 peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      check: 9570 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure, Page 15; 38pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  mammalian GLP-1 peptide
                                                                                                                                                                                                                    (BION-) BIONEBRASKA INC.
                                                                                                                                                                                                                                                                  Coolidge TR, Ehlers M;
                                                                                                                                                                                                                                                                                                                      WPI; 2002-089892/12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (from "seq5ags.pep")
TOIG of: aae14427 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 39 AA;
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to: 39

from: 1

TOIG of: aae08531 check: 9563

AAE08531 standard; peptide; 39 AA

Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.

Exendin agonist peptide #176

(first entry)

01-NOV-2001

AAE08531;

/note= "C-terminal amide"

09-JAN-2001; 2001WO-US000719 10-JAN-2000; 2000US-017536SP

(AMYL-) AMYLIN PHARM INC Kolterman OG, Young AA;

Location/Qualifiers 39

Key Modified-site

Synthetic

WO200151078-A1

19-JUL-2001

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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They are used to appress the sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                              Check: 7441
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                              Type: P
                                                                                                                                                                                                             to: 30
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                              AAB08529 Length: 35 February 4, 2005 13:32
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 181; Page 145; 161pp; English
                                                                                           HGAGTPTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
                                                                                                                                                                                                             check: 4862 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                           aae08530 ; Exendin agonist peptide #175.
(from "seq5ags.pep")
TOIG of: aae08530 check: 4862 from: 1
                                                                                                                                                                                                                                             AAE08530 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA;
                                                                                                                                                            1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 30 AA;
Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200151078-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08531 Length: 39 February 4, 2005 13:32 Type: P Check: 9563 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to: 39
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AGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 182; Page 146; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 match found in sequence:
ase08532 ; Exendin agonist peptide #177.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08532 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide #177.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 39 AA;
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1 match found in sequence:
aae08531 ; Exendin agonist peptide #176.
(from "seq5ags.pep")

HGDATFTSDLSKQMEEEAVRLFIEWLKNGG

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Use of exendin and exendin agonist compounds for modulating triglyceride
                                                                                                                                  Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and dluretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agoniet; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                           Check: 1706
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                                                                                                                                                                                                                                                                                                                                                          Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 36
                                                                                                                                                                                                                                                                                                                                                           AAE08527 Length: 37 February 4, 2005 13:32
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                     |-----HGEGTFTSALSKQMEEEAVRLFIEWLKNGGASSGAAA
                                                                                                                                                                               Example 178; Page 143; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aae08528 ; Exendin agonist peptide #173.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08528 standard; peptide; 36 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .0-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #173.
09-JAN-2001; 2001WO-US000719
                          10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA;
                                                     (AMYL-) AMYLIN PHARM INC
                                                                                  Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56.
                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (from "seq5ags.pep"
TOIG of: aae08528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kolterman OG,
                                                                                                                                                                                                                                                                                                                                  Sequence 37 AA;
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Modified-site
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                                                                                  Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-JUL-2001
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                   Type: P Check: 862
levels, and treating heart disease and dyslipidemia
                                                                                                                                                                                                                                                                                                                                                                                                                                           to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                       AAE08528 Length: 36 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                          AGEGTFTSDLSKQMEBEAVRLFIEWLKNGGXSSGAX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 180; Page 145; 161pp; English.
                                   Example 179; Page 144; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 7441 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aae08529 ; Exendin agonist peptide #174.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08529 standard; peptide; 35 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide #174.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                             (from "seq5ags.pep")
TOIG of: aae08529 c
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                                                                                                                                                                                                                            Sequence 36 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08529;
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diuretic; Synthetic

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendinis have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triplyceride levels. They exendin agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                      /note= "Thioproline; C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "N-methyl alanine"
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HGEATFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX
                                                                                                                                                                                                                                                                                                                                                                                                                         Example 177; Page 143; 161pp; English.
                /note= "Thioproline"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
    aeo08527 ; Exendin agonist peptide #172.
    (from seq5ags.pep")
    TOIG Of: aae08527 check: 1706 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08527 standard; peptide; 37 AA
                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                                                                                                              WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200151078-A1
                                                                                            WO200151078-A1
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Modified-site
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Modified-site
                                      Modified-site
                                                                                                                                                                                                                                                                                        Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08527;
Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and duretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exendin and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Check: 7457
                                                                                                                                                                                                                                'note= "Thioproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Type: P
coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB08525 Length: 38 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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| HGAGTFTSDLSKQMEBEAVRLFIEWLKNGGXSSGAXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 176; Page 142; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "Thioproline"
                                                                                                                                                    note= "Thioproline"
                                                                                                                  note= "Thioproline"
                                                                                                                                                                                              'note= "Thioproline"
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36
                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
aae08526; Exendin agonist peptide #171.
(from "seq5ags.pep")
TOIG of: aae08526 check: 7197 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08526 standard; peptide; 38 AA
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                                                                                                                                                                                                                                                                                                                                                                                     10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 38 AA;
                                                                                                                                                                                                                                                                        WO200151078-A1
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AAE08526;

111288252826111

The

Check: 7197

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Fri Feb

8X

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
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29
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    aae08524 ; Exendin agonist peptide #169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . match found in sequence:
aae08525 ; Exendin agonist peptide #170.
[from "seq5ags.pep"]
TOIG of: aae08525 check: 7457 from: 1
                                                                              29 AA
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                                                                                                                                                                                                  Exendin agonist peptide #169.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #170.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719
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                                                                              AAE08524 standard; peptide;
                                        check: 2313
                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young
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                        (from "seq5ags.pep"
TOIG of: aae08524
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                                                                                                                                                                                                                                                                                                                                     Key
Modified-site
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                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                     AAE08524;
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                                                                              Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incrropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They better the sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                              Check: 7345
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                                                                              Type: P
present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                               to: 30
                                                                            2005 13:32
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                                                                                                                                                                                                                                                                                             from: 1
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30
                                                                                                                                                                                                                                                      aae08523 ; Exendin agonist peptide #168.
(from "seq5ags.pep")
TOIG of: aae08523 check: 4423 from: 1
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HGEATFTSDLSKQMEEEAVRLFIEWLKNGGP
                                                                                                                                                                                                                                                                                                                                 AAE08523 standard; peptide; 30 AA
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                                                                          31 February 4, (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #168.
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                                                                                                                                                                                                                                  match found in sequence:
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                                      Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 30 AA;
                                                                        AAE08522 Length:
Found using 'seq5'
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Modified-site
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Synthetic.

Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;

1 match found in sequence:

AAE08523

38

Check: 2313

Type: P

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                  modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The
                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, duretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                 Type: P Check: 9574
                  Use of exendin and exendin agonist compounds for mod
levels, and treating heart disease and dyslipidemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 31
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                                                                                   Example 172; Page 140; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aee08522 ; Exendin agonist peptide #167.
(from *seq5ags.pep*)
TOIG of: aae08522 check: 7345 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08522 standard; peptide; 31 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #167.
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                                                                                                                                                                                                                                                                                                                             Sequence 32 AA;
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Modified-site
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X44X8X000000000X8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Type: P Check: 18
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/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
aae08521 ; Exendin agonist peptide #166.
(from "seq5ags.pep")
TOIG of: aae08521 check: 9574 from: 1
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                                                                                      09-JAN-2001; 2001WO-US000719
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  WO200151078-A1.
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and duretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             agonist; antilipemic; cardiant; triglyceride; inotropic; coronary heart disease; dyslipidaemia.
                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08519 Length: 33 February 4, 2005 13:32 Type: P Check: 2737 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 170; Page 138; 161pp; English.
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HGEGTFTSALSKQMEEEAVRLFIEWLKNGGPSS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        aae08520 ; Exendin agonist peptide #165.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08520 standard; peptide; 32 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #165.
                                     Exendin agonist peptide #164.
                                                                                                                                                                                                                                                                                                                                                             10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                         09-JAN-2001; 2001WO-US000719
01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 18
                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    I match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq5ags.pep"
TOIG of: aae08520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
                                                                                                                                                                                                                                                WO200151078-A1
                                                                                                                                                                       Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      diuretic;
                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08520;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have increopic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Dresent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                         Exendin agonist, antilipemic, cardiant, triglyceride, inotropic; diuretic, coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08518 Length: 34 February 4, 2005 13:32 Type: P Check: 5154 Found using 'seg5' (mchamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 33
                                                                                                                                        to: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 169; Page 138; 161pp; English.
     HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEATFTSDLSKQMEEEAVRLFIEWLKNGGPSSG
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aae08519; Exendin agonist peptide #164.
(from "seq5ags.pep")
TOIG of: aae08519 check: 2737 from: 1
                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
34
                                                                              match found in sequence:
aae08518 ; Exendin agonist peptide #163.
(from "seq5ags.pep")
                                                                                                                                                                           AAE08518 standard; peptide; 34 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                         Exendin agonist peptide #163
                                                                                                                                        check: 5154
                                                                                                                                                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200151078-A1
                                                                                                                                          TOIG of: aae08518
                                                                                                                                                                                                                                                                                                                                                                                                                              Key
Modified-site
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Use of

Synthetic.

AAE08518;

/note= "C-terminal amide"

AAE08519 standard; peptide; 33 AA

AAE08519;

SXXX

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8888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                            Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemla, and for modifying postprandial triglyceride levels. The sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                    Check: 9777
                                                                                                                                                                                                                                   Type: P
                                                                                                                                                                                                                                                                                                                                                     to: 35
                                                                                                                                                                                                                                   AAE08515 Length: 36 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                  AGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSSGAP
1
                                                                                             Example 166; Page 136; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                  aae08516 ; Exendin agonist peptide #161
                                                                                                                                                                                                                                                                                                                                                                          AAE08516 standard; peptide; 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #161
                                                                                                                                                                                                                                                                                                                                                      check: 7446
                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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(AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young AA;
                     Young AA;
                                                                                                                                                                                                                                                                                                                     match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56.
                                         WPI; 2001-514422/56
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TOIG of: aae08516
                                                                                                                                                                                                                Sequence 36 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200151078-A1
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Modified-site
                     Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
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                                                                                                                                                                                                                                  AAE08515
CCXSXLTXBXBXBXBXBXBXLTTBX8XXBXBXBXBXCCX
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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                      The
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exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exendence is an agonist of exendin
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diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                 Type: P Check: 7446
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                                                                                                                                                                                                                                                                                                                                                                                                AGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             check: 7002 from: 1
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35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . match found in sequence:
aae08517; Exendin agonist peptide #162.
[fcm "seq5ags.pep"]
TOIG of: aae08517 check: 7002 from: 1
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                                                                                                                                                                                                                                        Sequence 35 AA;
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Modified-site
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Synthetic

AAE08513;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin sponist. Exendins have increopic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. To present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                    /note= "C-terminal amide"
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              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aae08515 ; Exemain agonist peptide #160.
(ffrom "seq5ags.pep")
TOIG of: aae08515 check: 9777 from: 1
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                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                        Young AA;
                                                                                                                                                                                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 36 AA;
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                                                                                             WO200151078-A1
                    Key
Modified-site
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                                                                                                                                   19-JUL-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                        cardiant; triglyceride; inotropic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Type: P Check: 3269
                                                                                                                                                                            Exendin agonist, antilipemic; cardiant; triglyco
diuretic; coronary heart disease; dyslipidaemia
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                           Location/Qualifiers
37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aae08514; Exending agonist peptide #159. (from "seq5ags.pep")
TOIG of: aae08514 check: 306 from: 1
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                      AAE08513 standard; peptide; 37 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                    09-JAN-2001; 2001WO-US000719
                                                                                                                                        Exendin agonist peptide #158
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                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                         WO200151078-A1
                                                                                                                                                                                                                                                                                Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-NOV-2001
                                                                                                   01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                             19-JUL-2001
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Synthetic

AAE08514;

SXXXXXXXXXXXX

The

Type: P Check: 306

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Jse of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have increopic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Exendin present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Check: 9887
                                                                                                                                                                                                                                                                                                                                                                                                                                              Type: P
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                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08510 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
Example 161; Page 133; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 162; Page 134; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               check: 6326 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                match found in sequence:
aae08511 ; Exendin agonist peptide #156.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08511 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |-----|
AGDGTFTSDLSKQLEEEAVRLFIEFLKA
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #156.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-JUL-2001
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Sequence 38 AA;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                        Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
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Check: 6326
 Type: P
                                                                                                                                                                                      to: 38
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
Length: 38 February 4, 2005 13:32
; 'seq5' (mohamed337.key)
                                                               AGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
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                                                                                                                                                                                    check: 5882 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aae08513 ; Exendin agonist peptide #158.
(from "seq5ags.pep")
TOIG of: aae08513 check: 3269    from: 1
                                                                                                                                                  aae08512 ; Exendin agonist peptide #157.
                                                                                                                                                                                                                       Ą
                                                                                                                                                                                                                       AAE08512 standard; peptide; 38
                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide #157.
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                                                                                                                                                                                                                                                                                         01-NOV-2001 (first entry)
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                                                                                                                                    1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
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                                                                                                                                                                      (from "seq5ags.pep")
TOIG of: aae08512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 38 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                         AAE08512;
AAE08511 Le
Found using '
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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
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        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                        /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                             Example 159; Page 132; 161pp; English.
                                                                                      Location/Qualifiers
                                                                                                                                                                                                                   09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                 10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                  Young AA;
                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                                                                         WO200151078-A1
                                                                                                          Modified-site
                                                                                                                                                                                                                                                                                                                  Kolterman OG,
                                                                                                                                                                                       19-JUL-2001
                                                            Synthetic
8XCCCCCCCX8X4X4X4X4X4X4X4X4X44444
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AAE08508 Length: 28 February 4, 2005 13:32 Type: P Check: 9981 Found using 'seq5' (mohamed337.key)

Sequence 28 AA;

AGDGTFTSDLSKQLEEEAVRLFIEFLAN

1 match found in sequence:
aae08509; Exemidin agonist peptide #154.
(from "seq5ags.pep")
TOIG of: aae08509 check: 326 from: 1

AAE08509 standard; peptide; 28

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to: 28

01-NOV-2001 (first entry) AAE08509;

Exendin agonist peptide #154.

Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO200151078-A1

19-JUL-2001

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                      Example 160; Page 133; 161pp; English.
                                                10-JAN-2000; 2000US-0175365P.
               09-JAN-2001; 2001WO-US000719
                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                            Kolterman OG, Young AA;
                                                                                                                                                                 WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
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28 ţ; check: 9887 from: 1 1 match found in sequence:
 aae08510 ; Exendin agonist peptide #155.
 (from "seq5ags.pep") AGDGTFTSDLSKQMEEEAVRLFIEWLKA TOIG of: aae08510

Check: 326

AAE08509 Length: 28 February 4, 2005 13:32 Type: P ound using 'seq5' (mohamed337.key)

Found using 'seq5'

AAE08510 standard; peptide; 28 AA. Exendin agonist peptide #155 (first entry) 01-NOV-2001 AAE08510;

Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia. Synthetic.

/note= "C-terminal amide" Location/Qualifiers 09-JAN-2001; 2001WO-US000719 WO200151078-A1 Key Modified-site 19-JUL-2001

(AMYL-) AMYLIN PHARM INC ¥. Kolterman OG, Young

10-JAN-2000; 2000US-017536SP.

Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia. WPI; 2001-514422/56.

to: 28

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                           Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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28
/note= "C-terminal amide"
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                     . match found in sequence:
aae08507 ; Exemdin agonist peptide #152.
(from "seq5ags.pep")
TOIG of: aae08507 check: 420 from: 1
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aae08508 ; Exendin agonist peptide #153.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                        Exendin agonist peptide #152
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Modified-site
                                                                                                                                                                                                              01-NOV-2001
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                                                                                                                                                                       AAE08507;
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                                                                                                                               BXXXXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                             Check: 404
                                                                                                                           Type: P
                                                                                                                                                                                                                                                                                                                                                             to: 28
                                                                                                                           AAE08505 Length: 28 February 4, 2005 13:32 Found using '8eq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                             check: 9965 from: 1
                                                                                                                                                                                                                                                                                         . match found in sequence:
aae08506 ; Exendin agonist peptide #151.
(from "seq5ags.pep")
TOIG of: aae08506 check: 9965 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                  AAE08506 standard; peptide; 28 AA
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                                                                                                                                                                                                              AGDGTPTSDLSKOMEEEAVRLFIEWAKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide #151
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                                                                                   Sequence 28 AA;
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Modified-site
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Synthetic

AAE08506;

The

Check: 420

Type: P

Use of

28

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and divertic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The secretion of a second triglyceride is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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/note= "C-terminal amide"
                                                                                                                                                                                                                                                                      Example 154; Page 129; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aae08504 ; Exendin agonist peptide #149.
(from "seq5ags.pep")
TOIG of: aae08504 check: 126 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08504 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGDGTFTSDLSKQMEEEAVRLFIEALKN 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
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                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                        Ä
                                                                                                                                                                        Young
                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
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Modified-site
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                                                                                                                                                                        Kolterman OG,
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                         Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have increopic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist, antilipemic, cardiant, triglyceride, inotropic; diuretic, coronary heart disease, dyslipidaemia.
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                                                                                             Example 155; Page 130; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aae08505 ; Exemain agonist peptide #150.
(from "seq5ags.pep")
TOIG of: aae08505 check: 404 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08505 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                AGDGTFTSDLSKQLEEEAVRLFIEALKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #150.
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            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                Sequence 28 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                            Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aae08503 ; Exemin agonist peptide #148.
[from *seq5ags.pep*]
TOIG of: aae08503 check: 140 from: 1
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                                                                           Exendin agonist peptide #147
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                                    (first entry)
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Modified-site
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                                                                                                                                                                          Synthetic.
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  AAE08502;
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THXSXEXEXEXEX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels: The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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28
                                                                                                                                   aae08501 ; Exendin agonist peptide #146.
(from "seq5ags.pep")
TOIG of: aae08501 check: 666 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aae08502 ; Exendin agonist peptide #147
(from "seq5ags.pep")
TOIG of: aae08502 check: 227 from: 1
                                                                                                                                                                                                                   AAE08501 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGDGTFTSDLSKOMEEEAVRLFIDWLKN
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AGDGTFTSDLSKQLEEEAVRLFXBFLKN
                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #146.
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                                                                                                                  1 match found in sequence:
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Kolterman OG,

Use of

Key Modified-site

Synthetic.

19-JUL-2001

01-NOV-2001

AAE08501;

Location/Qualifiers 28

Key Modified-site

AAE08502 standard; peptide; 28 AA

Fri Feb

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         of exendin and exendin agonist compounds for modulating triglyceride sls, and treating heart disease and dyslipidemia.
                                         modulating triglyceride
                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendin have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The secretion is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an
                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist, antilipemic; cardiant, triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                       exendin and exendin agonist compounds for movered and treating heart disease and dyslipidemia
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                                                                       Example 149; Page 126; 161pp; English.
                                                                                                                                                                                                                                                                                                                          from: 1
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                                                                                                                                                                                                                                                                                           match found in sequence:
aae08499; Exendin agonist peptide #144.
(from "seq5ags.pep;
TOIG of: aae08499 check: 1035 from: 1
                                                                                                                                                                                                                                                                                                                                              AAE08499 standard; peptide; 28 AA
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| AGDGTFTSDLSKQLEBEAVRLFVEFLKN
| 28
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 Young AA;
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                     WPI; 2001-514422/56
                                         exendin and
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 Kolterman OG,
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of exendin and exendin agonist compounds for modulating triglyceride els, and treating heart disease and dyslipidemia.
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exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aae08500 ; Exendin agonist peptide #145.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08500 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                 AGDGTFTSDLSKQMEEEAVRLFXEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide #145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq5ags.pep")
TOIG of: aae08500 check: 596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                               Sequence 28 AA;
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Synthetic

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08497 Length: 28 February 4, 2005 13:32 Type: P Check: 989 Found using 'seq5' (mohamed337.key)
  28
/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                  Example 148; Page 126; 161pp; English.
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aae08498 ; Exendin agonist peptide #143.
(from *seq5ags.pep")
TOIG Of: aae08498 check: 550 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08498 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGDGTFTSDLSKOMBEEAVRLFVEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #143.
                                                                                                                                       09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                            10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
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                                                          WO200151078-A1
Modified-site
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Modified-site
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                                                                                                 19-JUL-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08498;
  exendin and exendin agonist compounds for modulating triglyceride , and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; duretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08496 Length: 28 February 4, 2005 13:32 Type: P Check: 647
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                     /note= "Naphthyl alanine"
28
                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
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                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . match found in sequence:
aae0849; Exendin agonist peptide #142.
(from "sed5ags.pep")
TOIG of: aae08497 check: 989 from: 1
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                                                            Exendin agonist peptide #141.
                                                                                                                                                                                                                                                                                                                                                                                                    09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                           10-JAN-2000; 2000US-0175365P
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                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA;
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                                                                                                                                                                                                                        Misc-difference
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                                                                                                                                                                                                                                                                                                                     WO200151078-A1
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                                                                                                                                                                                                                                                             Modified-site
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                    01-NOV-2001
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levels, ö

Use

28

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Synthetic

Key

AAE08497;

#XSX#X#X#XXXX#

1 match

to: 28

match found in sequence:
aae08495; Exendin agonist peptide #140.
(from seq5ags.pep")
(TOIG of: aae08495 check: 1086 from: 1

28

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipideamia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
 suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
Exendin and its agonists have
                                                                                                                                        :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                    Check: 459
                                                                                                                                      Type: P
                                                                                                                                      AAE08493 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                           to: 28
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                                                                                                                                                                                                                                                                             . match found in sequence:
aae08494; Exendin agonist peptide #139.
(from "seq5ags.pep")
TOIG of: aae08494 check: 20 from: 1
                                                                                                                                                                                                                                                                                                                                                             AAE08494 standard; peptide; 28 AA
                                                                                                                                                                                          |------|
AGDGTFTSDLSKQMEEEAVRAFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #139.
                                                                                                                                                                                                                                                                                                                                                                                                                                01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-514422/56.
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                                                                                                        Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                  AAE08494;
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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist: Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                              'note= "Naphthyl alanine"
                                                                                                                                                                                                                                          "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aeo08496; Exendin agonist peptide #141.
(from "seq5ags.pep")
TOIG of: aae08496 check: 647 from: 1
                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08496 standard; peptide; 28 AA.
AAE08495 standard; peptide; 28 AA
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                                                                                   Exendin agonist peptide #140.
                                                          01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                             /note=
                                                                                                                                                                                                                                                                                                                                                                                                                 Young
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                                                                                                                                                                                                  Misc-difference
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                                                                                                                                                                                                                                Modified-site
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                                                                                                                                                            Synthetic.
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20

Check:

AAE08494 Length: 28 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQLEEEAVRAFIEFLKN

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of exendin and exendin agonist compounds for modulating triglyceride sls, and treating heart disease and dyslipidemia.
                                                                                         modulating triglyceride
                                                                                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                       AAE08492 Length: 28 February 4, 2005 13:32 Type: P Check: 9911 ound using '8eq5' (mohamed337.key)
                                                                                         Use of exendin and exendin agonist compounds for mor levels, and treating heart disease and dyslipidemia
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                                                                                                                                                      Example 143; Page 123; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
aae08493 ; Exendin agonist peptide #138.
from *seq5ags.pep";
TOIG Of: aae08493 check: 459 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08493 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AGDGTFTSDLSKQLEEEAVALFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG, Young AA;
                  Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-514422/56.
                                                      WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
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Modified-site
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                  Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08493;
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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
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                                  /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                           Example 142; Page 122; 161pp; English
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aae08492; Exendin agonist peptide #137.
(from "seq5ags.pep")
TOIG of: aae08492 check: 9911 from: 1
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AGDGTFTSDLSKQMEEEAVALFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28 February 4, (mohamed337.key)
                                                                                                                                                      09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                       Young AA;
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                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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                                                                           WO200151078-A1
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  Key
Modified-site
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Found using 'seq5'
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Synthetic

AAE08492

AAE08490 standard; peptide; 28 AA.

Exendin agonist peptide #135

(first entry)

01-NOV-2001

AAE08490;

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Jse of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemla, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
AAE08488 Length: 28 February 4, 2005 13:32 Type: P Check: 183 Found using 'seq5' (mohamed337.key)
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to:
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TOIG of: aae08490 check: 9852 from: 1
                                                                                                                                 match found in sequence:
aae08489; Exendin agonist peptide #134.
(from "seq5ags.pep")
TOIG of: aae08489 check: 291 from: 1
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28
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                                                                                                                                                                                                                    AAE08489 standard; peptide; 28 AA
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AGDGTFTSDLSKQLEEAAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #134.
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                          Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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28
/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
    aee08491 ; Exendin agonist peptide #136.
    (from "seq5ags.pep")
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Modified-site
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TOIG of: aae08491
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                                                                                                                                                     Synthetic.
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The

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Sequence 28 AA;
8X555555555X8
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                                                                                                 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                             Check: 187
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                                                                                                                              Example 137; Page 119; 161pp; English
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                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aae08487; Exendin agonist peptide #132.
                                                                                                                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                                                            AAE08487 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                   AGDGTFTSDLSKQLEAEAVRLFIEFLKN
09-JAN-2001; 2001WO-US000719.
                   10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #132
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                                       (AMYL-) AMYLIN PHARM INC.
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                                                         Young AA;
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Found using 'seq5' (mo
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of: aae08487
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Modified-site
                                                          Kolterman OG,
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                        They
                                                                  or postprandial
                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an sexendin agonist. Exendins have inotropic and diurctic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride.
                                                                                                                                                                                                                                           concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. present peptide sequence is an agonist of exendin
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Example 138; Page 120; 161pp; English.
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TOIG of: aae08488 check: 183 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronearty heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
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                                                                                                                                  /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 136; Page 119; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
28
                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aae08486 ; Exendin agonist peptide #131.
(from 'seq5ags.pep")
'TOIG of: aae00486 check: 187 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGDGTFTSDLSKOMBABAVRLFIEWLKN
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                                                                                                                                                                                                                                                 09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                      10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                              Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
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Modified-site
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Modified-site
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                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08486;
       Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08484 Length: 28 February 4, 2005 13:32 Type: P Check: 191
Found using 'seq5' (mohamed337.key)
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35 ; Exendin agonist peptide #130.
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                                                                from: 1
         match found in sequence:
aae08484 ; Exemin agonist peptide #129.
(from "seq5ags.pep")
TOIG of: aae08484 check: 191 from: 1
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                                                                                                     AAE08484 standard; peptide; 28 AA
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                                                                                                                                                                                                                  Exendin agonist peptide #129.
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                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
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(from "seq5ags.pep")
TOIG of: aae08485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-NOV-2001
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                                                                                                                                                                                                                                                                          diuretic;
                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                            AAE08484;
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Check: 626

Type: P

28

match

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                          The
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                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have increptic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Exendin present peptide sequence is an agonist of exendin
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levels, and treating heart disease and dyslipidemia
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                                                       Example 132; Page 116; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aae08482 ; Exendin agonist peptide #127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08482 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                              AGDGTFTSDLSKQXBEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (from "seq5ags.pep"
TOIG of: ase08482
                                                                                                                                                                                                                                                                    Sequence 28 AA;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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dyslipidaemia, and for modifying postprandial triglyceride levels. present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                          check:
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Found using 'seq5' (mohamed337.key)
                                                                                                                                                       Type: P
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                                                                                                                                                       AAE08482 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                  l match found in sequence:
aae08483 ; Exendin agonist peptide #128.
(from "seq5ags.pep")
TOIG of: aae08483 check: 630 from: 1
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                                                                                             Sequence 28 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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28
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aae08480; Exendin agonist peptide #125.
(from "seq5ags.pep")
TOIG of: aae08480 check: 97 from: 1
                                                                               Location/Qualifiers
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                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                Young AA;
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                                                                                              Modified-site
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                                                     Synthetic
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inciropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They be peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                Example 131; Page 116; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 844 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
aae08481 ; Exendin agonist peptide #126.
(from "seq5ags.pep")
TOIG Of: aae08481 check: 844 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08481 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                            AGDGTFTSDLSKQAEBEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #126.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719
            09-JAN-2001; 2001WO-US000719
                                       10-JAN-2000; 2000US-0175365P.
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                                                                   (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA;
                                                                                                Kolterman OG, Young AA;
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/note=
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                                                                                                                           WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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to: 28

88666

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; dinretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
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(from "seq5ags.pep")
                       match found in sequence:
aae08478 ; Exendin agonist peptide #123.
(from "seq5ags.pep")
TOIG of: aae08478 check: 43 from: 1
                                                                                                                        AAE08478 standard; peptide; 28 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08478 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                               Exendin agonist peptide #123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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Modified-site
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                   found in
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                                                                                                                                                                 AAE08478;
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                     match
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                                                                                                                           modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidamia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq5' (mohamed337.key)
                                                                                                                        Type: P Check: 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Use of exendin and exendin agonist compounds for mo
levels, and treating heart disease and dyslipidemia
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                                                                                                                      28 February 4, 2005 13:32 (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                            aae08477 ; Exendin agonist peptide #122.
(from "seq5ags.pep")
TOIG of: aae08477 check: 482 from: 1
                                                                                                                                                                                                                                                                                                                                                                                         AAE08477 standard; peptide; 28 AA
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AGDGTFTSDLSKAMEEEAVRLFIEWLKN
                                                                                                                                                                                                        AGDGTFTSDLSAQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #122
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                                                                                                                                                                                                                                                                                        1 match found in sequence:
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                                                                                                                        AAE08476 Length: 28
                                                                                  Sequence 28 AA;
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                                                                                                                                              Found using 'seq5'
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Modified-site
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AAE08477;

Check: 43

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exendin and exendin agonist compounds for modulating triglyceride and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and duretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipideamia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
aae08475; Exendin agonist peptide #120.
[f.cm "seq5ags.pep"]
TOIG of: aae08475 check: 570 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08475 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGDGTFTSDLAKQLEEEAVRLF1EFLKN
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                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                 Young AA;
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/note=
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                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
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                             WO200151078-A1
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                      Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incrropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride
                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin sponist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. T present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                             Example 126; Page 113; 161pp; English
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
aae08476; Exendin agonist peptide #121.
(from "seq5ags.pep")
TOIG of: aae08476 check: 131 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08476 standard; peptide; 28
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            WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                     Sequence 28 AA;
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Modified-site
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AAE08472;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                        Location/Qualifiers
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aae08474 ; Exendin agonist peptide #119.
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                                                                              Exendin agonist peptide #118.
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                                     (first entry)
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TOIG of: aae08474 c
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                                                                                                                                                                                                                                                                                                 WO200151078-A1.
                                                                                                                                                                                                                     Key
Modified-site
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                                       01-NOV-2001
                                                                                                                                                                                                                                                                                                                                         19-JUL-2001.
                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08474;
    AAE08473;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 match
  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                       Exendin agonist, antilipemic, cardiant, triglyceride, inotropic;
diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08472 Length: 28 February 4, 2005 13:32 Type: P Check: 371
Found using 'seq5' (mohamed337.key)
                                                                                                                                          to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "Pentyl glycine"
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aae08473 ; Exendin agonist peptide #118.
(from "seq5ags.pep")
TOIG of: aae08473 check: 492 from: 1
                                                                                                                                          from: 1
                                                                            1 match found in sequence:
   aae08472 ; Exendin agonist peptide #117.
   (from "seq5ags.pep")
   TOIG of: aae08472 check: 371 from: 1
                                                                                                                                                                                  AAE08472 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGDGTFTSDXSKQLEEEAVRLFIEFLKN
AGDGTFTSDXSKQMEEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #117
                                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Misc-difference
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                                                                                                                                                                                                                                                                01-NOV-2001
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                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
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Location/Qualifiers 28

Key Modified-site

Synthetic

to: 28

from: 1

AAE08473 standard; peptide; 28 AA

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                                                                                                                                                                                                                               exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have intoropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                             Type: P Check: 580
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                                                                                                                                                                                                                             AAE08469 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                              Example 120; Page 109; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                      from: 1
                                                                                                                                                                                                                                                                                                                                 aae08470 ; Exendin agonist peptide #115
                                                                                                                                                                                                                                                                                                                                                                              AAE08470 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                         AGDGTFTSDASKQMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide #115
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                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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 Young AA
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                       WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                      match found in sequence:
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                                                                                                                                                                                                       Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                            (from "seq5ags.pep"
TOIG of: aae08470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200151078-A1
Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                   AAE08470;
                                                         levela,
                                              Use of
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                       Check: 141
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                                                                                                                                                                                                                    AAE08470 Length: 28 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)
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/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aae08471 ; Exendin agonist peptide #116.
(from *seq5ags.pep")
TOIG of: aae08471 check: 810 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           58
                                                                                                                                                                                                                                                                                                                |------AGDGTFTSDASKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #116.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08471 standard; peptide;
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                                                                                                                                                                Sequence 28 AA;
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AAE08467;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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28
/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
aae08469; Exendin agonist peptide #114.
(from "seq5ags.pep")
TOIG of: aae08469 check: 580 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Exendin present peptide sequence is an agonist of exendin
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diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq5' (mohamed337.key)
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/note= "C-terminal amide"
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aeo08468; Exendin agonist peptide #113.
(from "seq5ags.pep")
TOIG of: aae08468 check: 260 from: 1
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                                                                                                     Exendin agonist peptide #112.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-JAN-2000; 2000US-0175365P
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                                                             (first entry)
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Key

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to: 28

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Exendin beptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                AAE08464 Length: 28 February 4, 2005 13:32 Type: P Check: 107
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                  to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aae08465; Exendin agonist peptide #110.
(from "seq5ags.pep")
TOIG of: aae08465 check: 663 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08465 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                     AGDGTFTADLSKQLEEEAVRLFIEFLKŇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #110.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
                                                                                                                                                                               Sequence 28 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                  Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                 1 match found in sequence:
aae08466 ; Exendin agonist peptide #111.
(from "seq5ags.pep")
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                                                                                                                                                  from: 1
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1
                                                                                                                                                                               AAE08466 standard; peptide; 28
                                           AGDGTFTSALSKOMEEEAVRLFIEWLKN
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08466 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                      Exendin agonist peptide #111.
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                                                                                                                                                  check: 224
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TOIG of: aae08467
                                                                                                                                                  TOIG of: aae08466
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Modified-site
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                                                                                                                                                                                                                                                                                                                                              Synthetic
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AAE08465 Length: 28 February 4, 2005 13:32 Type: P Check: 663

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                 Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                       Check: 546
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3 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
aeo08464; Exendin agonist peptide #109.
(from "seq5ags.pep")
TOIG of: aae08464 check: 107 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGDGTFTADLSKOMEEEAVRLFIEWLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08464 standard; peptide; 28
                 10-JAN-2000; 2000US-0175365P
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                                                (AMYL-) AMYLIN PHARM INC.
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                                                                              Kolterman OG, Young
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                                                                                                                 WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08463
exendin and exendin agonist compounds for modulating triglyceride and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exendin aponist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08462 Length: 28 February 4, 2005 13:32 Type: P Check: 244
Found using 'seq5' (mohamed337.key)
 diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 28
                                                                                                 /note= "C-terminal amide"
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                                                         Location/Qualifiers
28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aae08463; Exendin agonist peptide #108
(from "seq5ags.pep")
TOIG of: aae08463 check: 546 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGDGTFSSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                     Young AA;
                                                                                                                                                                                                                                                                                                                                      WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                                                                                                                   WO200151078-A1
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Modified-site
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Modified-site
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                                  Synthetic
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to: 28

check: 683 from: 1

AAE08461 standard; peptide; 28

Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.

Exendin agonist peptide #106.

(first entry)

01-NOV-2001

AAE08461;

/note= "C-terminal amide"

09-JAN-2001; 2001WO-US000719 10-JAN-2000; 2000US-0175365P

(AMYL-) AMYLIN PHARM INC

Young AA;

Kolterman OG,

WPI; 2001-514422/56.

Location/Qualifiers 28

Key Modified-site

Synthetic.

WO200151078-A1

19-JUL-2001

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age 08461; Exendin agonist peptide #106.
              (from "seq5ags.pep",
TOIG of: aae08461
                                              Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They betsent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                     AAE08459 Length: 28 February 4, 2005 13:32 Type: P Check: 798 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                              from: 1
                                                                                                           match found in sequence:
aae08460 ; Exendin agonist peptide #105.
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AGDGTXTSDLSKQMEEEAVRLFIEWLKN
1
                                                                                                                                                                   AAE08460 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                     Exendin agonist peptide #105
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                                                                                                                                  (from "seq5ags.pep")
TOIG of: aae08460 check: 359
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Sequence 28 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin squorist. Exendins have increopic and diurcic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exendin a agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08461 Length: 28 February 4, 2005 13:32 Type: P Check: 683 Found using 'seq5' (mohamed337.key)
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                                                                                   Example 112; Page 104; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aae08462; Exendin agonist peptide #107.
(from "seq5ags.pep")
TOIG of: aae08462 check: 244 from: 1
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AGDGTFSSDLSKQMEBEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 28 AA;
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ÁGDGTXTSDLSKQLEEEAVRLFIEFLKV 1

Found using 'seq5'

1 match found in sequence:

Check: 156

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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The secure is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                      AAE08458 Length: 28 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
Example 109; Page 103; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGDGAFTSDLSKQLEEEAVRLFIEFLKŇ
                                                                                                                                                                                                                                                                                                                      Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match
&XCCCCCCCX&
                                                                                                                                                                                                                                                                                        Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                               Example 108; Page 102; 161pp; English.
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aae08458 ; Exendin agonist peptide #103.
(From "seq5ags.pep")
TOIG Of: aae08458 check: 156 from: 1
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   09-JAN-2001; 2001WO-US000719.
                                                         10-JAN-2000; 2000US-0175365P.
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                                                                                                                  (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                        Young AA;
                                                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28 AA;
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Modified-site
                                                                                                                                                                        Kolterman OG,
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                            to: 28
                                                                                                                                                                                                                                                                                                                                     "C-terminal amide"
                                                                                                                                                                                                                                                                                                       'note= "Naphthylalanine"
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                                                                                                                                                                                                                                                                         Location/Qualifiers
                                            from: 1
match found in sequence:
aae08459; Exendin agonist peptide #104.
(from "Beq5ags.pep")
TOIG of: aae08459 check: 798 from: 1
                                                                          AAE08459 standard; peptide; 28
                                                                                                                                                                    Exendin agonist peptide #104.
                                                                                                                                                                                                                                                                                                                                                                                                                               09-JAN-2001; 2001WO-US000719.
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Modified-site
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                                                                                                                                                                                                                                              Synthetic.
                                                                                                         AAE08459;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.

(AMYL-) AMYLIN PHARM INC.

Young AA;

Kolterman OG,

#PI; 2001-514422/56.

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                 /note= "C-terminal amide"
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                                                                                  Location/Qualifiers
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aae08457; Exendin agonist peptide #102.
(from "seq5ags.pep")
TOIG of: aae08457 check: 595 from: 1
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                                                                                              Key
Modified-site
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Modified-site
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                                                         Synthetic
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   Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq5' (mohamed337.key)
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28
                 aae08455 ; Exendin agonist peptide #100.
(from "seq5ags.pep")
TOIG of: aae08455 check: 690 from: 1
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                                                                                                                                                                                                          Exendin agonist peptide #100.
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1 match found in sequence:
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TOIG of: aae08456
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Modified-site
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                      exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; córonary heart disease; dyslipidaemia.
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                                                          Example 103; Page 99; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                  . match found in sequence:
aae08453; kærendin agonist peptide #98
(from "seq5ags.pep")
TOIG of: aae08453 check: 681 from:
                                                                                                                                                                                                                                                                                                                                                                               AAE08453 standard; peptide; 28 AA
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| HGEGTFTSDASKQMBERAVRLFIBWLKN
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WPI; 2001-514422/56
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                        Use of
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                                                                                                            Type: P
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                                                                                                                                         Length: 28 February 4, 2005 13:32
g 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                               aae08454 ; Exendin agonist peptide #99 (from "seq5ags.pep")
TOIG of: aae08454 check: 242 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #99
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                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
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                                                                                      Sequence 28 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . match found in sequence:
aae08452; Exendin agonist peptide #97.
(from "seq5ags.pep")
TOIG of: aae08452 check: 590 from: 1
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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aae08451; Exendin agonist peptide #96.
(from "seq5ags.pep")
TOIG of: aae08451 check: 673 from: 1
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                                                          Exendin agonist peptide #95
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                       (first entry)
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Modified-site
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                       01-NOV-2001
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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
              exendin agonist. Exending have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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triglyceride and other lipid levels by administering exendin or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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28
/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                          from: 1
                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
   aae08448 ; Exendin agonist peptide #93.
   (from "seq5ags.pep")
   TOIG of: aae08448 check: 693 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                              AAE08448 standard; peptide; 28 AA
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AAE08448 Length: 28 February 4, 2005 13:32 Type: P Check: 693 Found using 'seq5' (mohamed337.key)

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modulating triglyceride
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                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
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levels, and treating heart disease and dyslipidemia.
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aae08450 ; Exendin agonist peptide #95.
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                                                                     aae08449; Exendin agonist peptide #94
(from "seq5ags.pep")
TOIG of: aae08449 check: 688 from:
                                                                                                                                   AAE08449 standard; peptide; 28
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AGEGTFTSDLSKQMEEEAVRLFIEWLKN
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                                                          found in sequence
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TOIG of: aae08450
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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aae08447 ; Exendin agonist peptide #92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08447 standard; peptide; 28 AA
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                  (AMYL-) AMYLIN PHARM INC.
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/note=
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                                                                                               WPI; 2001-514422/56.
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TOIG of: aae08447
                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 AA;
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                                                         Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CXSXLTXBXBXBXBXBXBXBXBXLTTBXSXXXXBXLXXCXC
Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and duretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Check: 249
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                                                                             /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 96; Page 95; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aae08446; Exemplin agonist peptide #91.
[Citom "seq5ags.pep"]
[Tolic of: aae08446 check: 237 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08446 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGAGTFTSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                     Young AA;
                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
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                                                                                                                      WO200151078-A1
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                                                             Modified-site
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      Synthetic
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to: 28

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08444 Length: 28 February 4, 2005 13:32 Type: P Check: 254 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                            Location/Qualifiers
28
  from: 1
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aae08445 ; Exendin agonist peptide #90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08445 standard; peptide; 28 AA
                                    AAE08444 standard; peptide; 28 AA
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AGEGTFTSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                                     Exendin agonist peptide #89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #90
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check: 254
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TOIG of: aae08445 c
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TOIG of: aae08444
                                                                                                                                                                                                                                                                                                                                                                     WO200151078-A1
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Modified-site
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                                                                                                                                                                                                                                                    Synthetic
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                                                                            AAE08444;
                                      XXXXXXXXXXXXXXX
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levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incrropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Homoproline; C-terminal amide"
                                                                                                                                                                         to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08443 Length: 37 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          note= "Homoproline"
                                                                                                                                                                         from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'note= "Homoproline'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 92; Page 92; 161pp; English
                                                                                                              1 match found in sequence:
aeo0843; Exendin agonist peptide #88.
(arom "seq5ags.pep")
TOIG of: aae08443 check: 4015 from:
                                                                                                                                                                                                               AAE08443 standard; peptide; 37 AA
                                      HGEGTFTSDASKQMEEEAVRLFIEWLKNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide #88
                                                                                                                                                                                                                                                                                            (first entry)
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Synthetic.

AAE08443;

to: 28

aae08444 ; Exendin agonist peptide #89.
(from "seq5ags.pep")

1 match found in sequence:

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AAE08442 Length: 29 February 4, 2005 13:32 Type: P Check: 2649 Found using 'seq5' (mohamed337.key)
   22222222222
                                                                                                                                                                                                                                                    exendin and exendin agonist compounds for modulating triglyceride and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                  237
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                                                                                                                                                                                                                                                  Type: P
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                                                                                                                                                                                                                                                AAE08440 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                               Example 89; Page 90; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                              from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                               match found in sequence:
aae08441 ; Exendin agonist peptide #86.
(from "seq5ags.pep")
TOIG of: aae08441 check: 2215 from:
                                                                                                                                                                                                                                                                                                                                                                                   33 AA
                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQLEEEAVRLFIDFLKN
 10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                 AAE08441 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #86
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                    (AMYL-) AMYLIN PHARM INC.
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                                       Young
                                                            WPI; 2001-514422/56
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                                                                                                                                                                                                                              Sequence 28 AA;
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Modified-site
                                        Kolterman OG,
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                                                                                 Use
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incircopic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                            AAE08441 Length: 33 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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aae08442 ; Exendin agonist peptide #87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-JAN-2001; 2001WO-US000719
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TOIG of: aae08442
                                                                                                                                                                                                                                                                                                                Sequence 33 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-2001
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AAE08438;

Synthetic.

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exendin and exendin agonist compounds for modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Exendin peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                             levels, and treating heart disease and dyslipidemia.
                                                    /note= "Tertiary-butylglycine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08439 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 88; Page 90; 161pp; English.
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28
                Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
aae08440; Exendin agonist peptide #85.
[from "seq5ags.pep"]
TOIG of: aae08440 check: 237 from: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08440 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |-----HGEGTFTSDLSKQMEEEAVRLFXEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                            09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                               10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                            Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
                                                                                                                                 WO200151078-A1
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Modified-site
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                    Key
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                                                                         Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08440;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cardiant; triglyceride; inotropic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08438 Length: 28 February 4, 2005 13:32 Type: P Check: 657
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyc
diuretic; coronary heart disease; dyslipidaemia
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                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                                                                     'note= "Naphthylalanine"
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                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 87; Page 89; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               aae08439; Exendin agonist peptide #84.
(from "seq5ags.pep")
TOIG of: aae08439 check: 1045 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08439 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKQLEBEAVRLXIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P
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                                                                                             Exendin agonist peptide #83
                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                WO200151078-A1
                                                                                                                                                                                                                               Key
Modified-site
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                                                                                                                                                                                                                                                                                       Modified-site
                                                      01-NOV-2001
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Type: P Check: 1045

to: 28

Synthetic

AAE08439;

SXXXXXXXXXXXXXX

seq5_ags.res

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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
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                                                                                      The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have increopic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
          exendin agonist. Exending have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum trighyceride concentrations. They are used to treat coronary heart disease and displiptidaemia, and for modifying postprandial trighyceride levels. I present peptide sequence is an agonist of exendin
triglyceride and other lipid levels by administering exendin or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                        AAE08435 Length: 28 February 4, 2005 13:32 Type: P Check: 701 Found using 'seq5' (mohamed337.key)
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/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                     check: 649 from: 1
                                                                                                                                                                                                                                                                                                                                  aae08436 ; Exendin agonist peptide #81.
(from "seq5ags.pep")
TOIG of: aae08436 check: 649 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                     AAE08436 standard; peptide; 28 AA
                                                                                                                                                                                                                                           HGEGTFSTDLSKOMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #81.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
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                                                                                                                                             Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08436
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :
                                                                                                                                                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Type: P Check: 381
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                                                                                                       to: 28
                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length: 28 February 4, 2005 13:32
g 'seg5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                 /note= "Pentylglycine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 86; Page 89; 161pp; English
                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
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aae08438 ; Exendin agonist peptide #83.
(from "seq5ags.pep")
TOIG of: aae08438 check: 657 from: 1
                                                                          aae08437 ; Exendin agonist peptide #82
                                                                                                                                     AAE08437 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTFTSDXSKQLEEEAVRLFIEFLKN
HGEGTFTSELSKOMAEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                             Exendin agonist peptide #82
                                                                                          (from "seq5ags.pep")
TOIG of: aae08437 check: 381
                                                                                                                                                                                                01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA;
                                                              match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                      Key
Modified-site
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                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                    AAE08437;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Found
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AAE08438 standard; peptide; 28 AA.

a

AAE08436 Length: 28 February 4, 2005 13:32 Type: P Check: 649 Found using 'seq5' (mohamed337.key) exendin, extended-release formulation, plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 16.

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

Modified-site

Synthetic

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anoancetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, observing inhibiting food intake, such as impaired glucose tolerance, observing inhibiting food intake, such as impaired glucose tolerance, observing the composition and method and allowed the such as impaired glucose tolerance, observing the composition and method and allowed the such as impaired glucose tolerance, observing the composition and method and allowed the such as impaired glucose tolerance, observing the composition and method and the such as impaired glucose tolerance, observing the composition and method and the such as the composition and method are useful and the such as the composition and method are useful and the such as the composition and method are useful and antidiated and conditions that would be benefited by the composition and method are useful and the composition and method are useful and antidiated by the composition and method are useful and antidiated and antidiated and conditions and and conditions and and conditions and method are useful and antidiated and conditions and and conditions are conditions and conditions and conditions and conditions and conditions are conditions and conditions and con
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin-agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                         exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Type: P Check: 9678
                                                                                                                                                                                                                                                     anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL66135 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
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                                                                                                                                                     Exendin agonist peptide, SEQ ID No 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                  dyslipidaemia, cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-MAY-2003; 2003WO-US016699
                                                                                        20-MAY-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                           ADL66135;
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 16; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 % of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying; inhibiting food intake, tolerance, obesity, hyperglycaemia, ADL66136 Length: 39 February 4, 2005 13:33 Type: P Check: 9563 Found using 'seq5' (mohamed337.key) 1 match found in sequence:
adl66137; Exendin agonist peptide, SEQ ID No 17.
(from "seq5ags.pep")
TOIG of: adl66137 check: 9571 from: 1 to: 39 |-----| HGEGTFSSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS Exendin agonist peptide, SEQ ID No 17. ADL66137 standard; peptide; 39 AA (first entry) Sequence 39 AA; 20-MAY-2004 ADL66137;

. match found in sequence: adi66136; Exendin agonist peptide, SEQ ID No 16. (from "seq5ags.pep")
TOIG of: adi66136 check: 9563 from: 1 to: 39

ADL66136 standard; peptide; 39 AA

20-MAY-2004 (first entry)

ADL66136;

2×2×2×

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YGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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match found in sequence: ad166133 ; Exendin agonist peptide, SEQ ID No 13 check: 9804 from: 1 (from "seq5ags.pep" TOIG of: ad166133

ADL66133 standard; peptide; 39 AA

ADL66133;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 13.

exendin; extended-release formulation; plasma level; antidiabetic; ancectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

Location/Qualifiers 39 Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

WPI; 2004-042706/04.

Kolterman OG;

Young AA,

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 13; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is eapable of releasing the peptide over a predetermined release period, the period being at least on hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

Type: P Check: 9804 ADL66133 Length: 39 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPY

1 match found in sequence:

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adl66134 ; Exendin agonist peptide, SEQ ID No 14
                                   to: 39
                                     from: 1
                                   check: 9567
                   (from "seq5ags.pep")
TOIG of: ad166134 (
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ADL66134 standard; peptide; 39 AA.

ADL66134;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 14.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardlovascular.

Synthetic

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC

Kolterman Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 14; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

Check: 9567 ADL66134 Length: 39 February 4, 2005 13:33 Type: P Found using 'seq5' (mohamed337.key)

HGDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence:
ad166135; Exendin agonist peptide, SEQ ID No 15.
(from seq5ags.pep)
TOIG of: ad166135 check: 9678 from: 1 to: 39

ADL66135 standard; peptide; 39 AA ü

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inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
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Sequence 39 AA;

SSSSS

Type: P Check: 9556 ADL66130 Length: 39 February 4, 2005 13:33 ound using 'seq5' (mohamed337.key) Found using 'seq5'

HGEGTFTSDLSKOLEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence:
adl66131; Exendin agonist peptide, SEQ ID No 11.
(from seq5ags.pep,")
TOIG of: adl66131 check: 9145 from: 1 to: 39

ADL66131 standard; peptide; 39 AA

20-MAY-2004 (first entry)

ADL66131;

extended-release formulation; plasma level; antidiabetic; Exendin agonist peptide, SEQ ID No 11. exendin:

anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, dyslipidaemia, cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699,

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 11; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA

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:
 Check: 9145
 Type: P
2005 13:33
 ADL66131 Length: 39 February 4, Found using 'seq5' (mohamed337.key)
```

HGEGTFTSDLSKQMBERAVRLFIEFLKNGGPSSGAPPPS

ad166132 ; Exendin agonist peptide, SEQ ID No 12. (from "seq5ags.pep")
TOIG of: ad166132 check: 9587 from: 1 to: 39 match found in sequence:

ADL66132 standard; peptide; 39 AA

ADL66132;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 12.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia, cardiovascular

Synthetic.

/note= "C-terminal amide" Location/Qualifiers 39 Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

ģ Kolterman Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 12; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined trelease period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anoncetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obseity, hyperglycaemia, dyalipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

February 4, 2005 13:33 Type: P Check: 9587 ADL66132 Length: 39 February 4, Found using 'seq5' (mohamed337.key

execution (agonist) peptide in an extended-release formulation. The formulation is capable of release petide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or lumibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. invention relates to a novel pharmaceutical composition comprising an Sequence 28 AA;

ADL66128 Length: 28 February 4, 2005 13:33 Type: P Check: 151 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLAIEFLKN

adl66129; Exendin agonist peptide, SEQ ID No 9. (from "seq5ags.pep")
TOIG of: adl66129 check: 9131 from: 1 to: 39 match found in sequence:

ADL66129 standard; peptide; 39 AA

ADL66129;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 9.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 9; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average

of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

Type: P Check: 9131 ADL66129 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS

1 match found in sequence: ad166130 ; Exendin agonist peptide, SEQ ID No 10. ; ; from: 1 (from "seq5ags.pep") TOIG of: ad166130 check: 9556

ADL66130;

ADL66130 standard; peptide; 39 AA.

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 10.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose . tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure, SEQ ID NO 10; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predecermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 55 gg/ml is achieved for at least 25\$ no f the predecermined release period. The composition has antidiabetic, of the predecermined release period. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; ADL66126 Length: 30 February 4, 2005 13:32 Type: P Check: 4889 Found using 'seq5' (mohamed337.key) . match found in sequence:
adl66127; Exendin agonist peptide, SEQ ID No 7.
(from "seq5ags.pep")
TOIG of: adl66127 check: 4889 from: 1 to: 30 /note= "C-terminal amide" Disclosure; SEQ ID NO 6; 173pp; English. Exendin agonist peptide, SEQ ID No 7. Location/Qualifiers 30 ADL66127 standard; peptide; 30 AA HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG dyslipidaemia; cardiovascular, 28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224 (first entry) Kolterman OG; WPI; 2004-042706/04. WO2003099314-A1 Sequence 30 AA; Key Modified-site 20-MAY-2004 04-DEC-2003. Young AA, Synthetic. ADL66127;

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined trelease period, the period being at least one hour, and in a meount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gaetric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. ADL66127 Length: 30 February 4, 2005 13:33 Type: P Check: 4889 Found using 'seq5' (mohamed337.key) Disclosure; SEQ ID NO 7; 173pp; English. Sequence 30 AA; The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. represents an exendin agonist peptide of the invention

match found in sequence: ad166128 ; Exendin agonist peptide, SEQ ID No 8. Exendin agonist peptide, SEQ ID No 8. check: 151 from: 1 ADL66128 standard; peptide; 28 AA. |-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG (first entry) (from "seq5ags.pep") TOIG of: ad166128 c 20-MAY-2004 Synthetic. ADL66128;

to: 28

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. 28 /note= "C-terminal amide" Location/Qualifiers 28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699 (AMYL-) AMYLIN PHARM INC Kolterman OG; WPI; 2004-042706/04. WO2003099314-A1 Key Modified-site 04-DEC-2003. Young AA',

Disclosure; SEQ ID NO 8; 173pp; English

Pharmaceutical composition for treating diabetes, impaired glucose

(AMYL-) AMYLIN PHARM INC. Young AA, Kolterman OG;

WPI; 2004-042706/04.

28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224

04-DEC-2003

(AMYL-) AMYLIN PHARM INC

Kolterman

Young AA,

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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                            Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66122 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 ound using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
ad166123; Exemdin agonist peptide, SEQ ID No 2.
(from "seq5ags.pep")
TOIG Of: ad166123 check: 9570 from: 1 to: 39
                                     /note= "C-terminal amide"
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Location/Qualifiers
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                                                                                                                                                    28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                           28-MAY-2002; 2002US-00157224
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                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                  Young AA, Kolterman OG;
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                                                                           WO2003099314-A1
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 Key
Modified-site
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Modified-site
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                              Pharmaceutical composition for treating diabetes, impaired glucose
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL66123 Length: 39 February 4, 2005 13:33 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)
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ad166126; Exendin agonist peptide, SEQ ID No
(from "seq5ags.pep")
(from seq5ags.pep")
                                                                                                                                                                                                                                                                                                                       Disclosure; SEQ ID NO 2; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide, SEQ ID No 6.
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                                                                                                                                                                                                      WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL66126;
8XCCCCCCCCX8X4X4X4X4X4X4X4X4X4X
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Fri Feb

The invention relates to a novel pharmacologically active peptide comprises X and Z, where: (a) X is a pharmacologically active peptide sequence; and Z and Z, where as tabilishing peptide sequence of 4-20 amino acid units covalently bound to X, where each amino acid unit in the stabilizing covalently bound to X, where each amino acid unit in the stabilizing covalently bound to X, where each amino acid unit in the stabilizing CC covalently bound to X, where each amino acid units of formula.

CC GIN, ABD, GIU, Lys, Arg, His, Met, Orn, and amino acid units of formula or the ABD, GIU, Lys, Arg, His, Met, Orn, and amino acid units of formula or muscitucethy acttyl, where I-6C-alkyl is optionally aubstituents selected from halogen, hydroxy, amino, cyano, nitro, substituted with 1-3 aubstituents selected from 1-6C-alkyl, phenyl, allongen, hydroxy, amino, cyano, nitro, subfenyl are optionally corresponding active, hydroxy, amino, cyano, nitro, subfenyl, and carboxy, or R 1 and R 2 together with the C atom to which they are bound form a cyclopentyl, cc cycloberyl or cyclopertyl ring, e.g. 2,4-diaminopuranoic acid; the ratio between the half-life of the peptide conjugate and the half-life of the corresponding active peptide sequence, cc when the pharmacologically active peptide and the half-life of the corresponding active peptide conjugate is adsorbed, or a sall, with the proviso that the about 50 mW phosphate buffer solution at about pH 7.4 and about 100, cr when the pharmacologically active peptide conjugate is not selected from sequences (ADD24841). The peptide conjugate is not selected from sequences (ADD248437)-(ADD24841). The peptide conjugate is not selected from sequence conjugate is adsorbed, or a sall, with the proviso that the conjugate is adsorbed, or a sall, with the proviso that the conjugate is adsorbed, or a sall, with the proviso that the conjugate is adsorbed, or a sall, with the proviso that the conjugate is disease, fever, depression, sex hormone regulation, amnesia, disorders, databetes, incontingen for treating e.g. CNS disorders and as contraceptives. The conjugated peptides are less susceptible to degradation by proteases compared to the corresponding free pharmacologically active peptides. This sequence represents a pharmacologically active peptide as the X part of the peptide of the invention.

Sequence 39 AA;

AD124854 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence: adi24855; Racadin-3 as active moiety for pharmacologically active peptide. (from "seq5ags.pep") TOIG of: adi24855 check: 9591 from: 1 to: 39

ADI24855 standard; peptide; 39 AA

ADI24855;

15-APR-2004 (first entry)

Exendin-3 as active moiety for pharmacologically active peptide.

pharmacologically active peptide conjugate; enzymatic cleavage; pain; HIV; cancer; diabetes; incontinence; hypertension; amnesia; hizheimer's disease; fever; depression; sex hormone regulation; eating disorder; schizophrenia; osteoporosis; insomnia; central nervous system disorder; contraceptive.

Synthetic.

WO9946283-A1.

16-SEP-1999.

99WO-DK000118 09-MAR-1999;

98DK-00000317 09-MAR-1998;

(ZEAL-) ZEALAND PHARM AS.

Larsen BD

WPI; 1999-561659/47.

peptide conjugates used for treating, e.g. pain, HIV, depression, schizophrenia, osteoporosis or insomnia.

Claim 24; Page 91; 113pp; English.

The invention relates to a novel pharmacologically active peptide

conjugate having a reduced tendency towards enzymatic cleavage comprises

X and Z, where: (3) X is a pharmacologically active peptide sequence; and

CC (b) Z is a stabiliaing peptide sequence of 4-20 amino acid units

CC conjugate paguence, Z being selected from Ala, Leu, Ser, Thr, Tyr, Asn,

CL, Asp, Glu, Lys, Arg, His, Merc, Orn, and amino acid units of formula.

CC Gln, Asp, Glu, Lys, Arg, His, Merc, Orn, and amino acid units of formula.

CC Gln, Asp, Glu, Lys, Arg, His, Merc, Orn, and amino acid units of formula.

CC Gln, Asp, Glu, Lys, Arg, His, Merc, Orn, and manino acid units of formula.

CC Gln, Asp, Glu, Lys, Arg, His, Merc, Orn, and manino, cyano, nitro, sulforno, and carboxy, and phenyl and phenyl-methyl substituent selected from halogen, hydroxy, amino, cyano, nitro, sulforno, and carboxy, and phenyl and phenyl-methyl are optionally

CC substituents selected from lated and phenyl and phenyl matchyl and phenyl and phenyl man districted with 1-3

CC substituents selected from 16.70, sulforno, and carboxy, or R l ind

CC substituents and carboxy, and phenyl and phenyl man districted and 2,3
CC diaminopropanoic acid; the ratio, between the half-life of the peptide

CC cyclohexyl or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3
CC diaminopropanoic acid; the ratio, eeveen the half-life of the peptide

CC conjugate and the half-life of the corresponding active peptide sequence,

CC diaminopropanoic acid; the ratio between the half-life of the poptide conjugate is not settly a least about 10),

CC or when the pharmacologically active peptide X is not orally absorbed,

CC or when the pharmacologically active peptide x is not orally absorbed,

CC or when the pharmacologically active peptide conjugates can be used for treating

CC or pain, HIV, cancer, depression, sex hormone regulation, earing

CC or sesponding free pharmacologically active peptide conjugates and as contraceptives. The conjugate of the invention.

CC peptides of

Sequence 39 AA;

ADI24855 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 Found using 'seqS' (mohamed337.key)

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence:
adl66122; Exendin agonist peptide, SEQ ID No 1.
(from "seq5sags.pep")
TOIG Of: adl66122 check: 9591 from: 1 to: 39 ADL66122 standard; peptide; 39 AA. ADL66122;

to: 39

Exendin agonist peptide, SEQ ID No 1.

20-MAY-2004 (first entry)

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular; mexican beaded lizard.

Heloderma horridum.

essential

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example left ventricular hypertrophy, coronary artery disease,
                                                                                                                                                                                                                                                        Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO9946283-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-SEP-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Larsen BD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADI24854;
This invention relates to a novel method for the treatment or prevention of an early cardiac or early cardiovascular disease in a diabetic or non-diabetic patient where a glucagon like peptide-1 (GLP 1) agonist or its salt is used. The invention may be useful for the development of compounds with a cardiant, cardiovascular-Gen, antiarrhythmic, antiarteriosclerotic, vasotropic or hypotensive activity through action as glucose metabolism regulators or cardiovascular haemodynamics regulators. The invention may be used for the treatment or prevention of an early cardiac or early cardiovascular disease (for
                                                                                                                                                                                                                                                                                                                                 coronary artery disease; essential hypertension; acute hypertensive emergency; cardiomyopathy; heart insufficiency; exercise tolerance; chronic heart failure; arrhythmia; cardiac dysrbythmia; syncopy; atherosclerosis; mild chronic heart failure; angina pectoris; cardiac bypass reocclusion; intermittent claudication; atherosclerosis obliterens; disstolic dysfunction; systolic dysfunction; brain natriuretic peptide; BNP; myocardial infarction; oute coronary syndrome; unstrable angina; non-Q-wave cardiac necrosis; Q-wave myocardial infarct; stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Use of a glucagon like peptide-1 agonist or its salt for the preparation of a pharmaceutical composition for the treatment or prevention of an early cardiac or early cardiovascular disease in a diabetic or non-
                                                                                                                                                                                                                                                                cardiac disease; cardiovascular disease; diabetic patient;
non-diabetic patient; glucagon like peptide-1; GLP 1; cardiant;
cardiovascular-6en; antiarrhythmic; antianginal; antiarteriosclerotic;
vasciropic; hypotensive; glucose metabolism;
cardiovascular haemodynamic regulator; left ventricular hypertrophy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Larsen J, Elbrond B;
                                                                                           1 match found in sequence:
adh73029 ; Glucagon like peptide-1 related exendin peptide 1.
                                                                                                                                                                                                                                          Glucagon like peptide-1 related exendin peptide 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Selmer J,
                                                                                                                                  to: 31
                                                                                                                                  check: 7617 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure, Page 7, 14pp, English.
                                                                                                                                                            ADH73029 standard; peptide; 31 AA
                                      HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Carr RD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /label= Pro, Tyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rolin BC, Carr RI
Christoffersen C;
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2002DK-00000499.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        02-APR-2003; 2003WO-DK000216
                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NOVO ) NOVO NORDISK AS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-022543/02.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diabetic patient.
                                                                                                                     (from "seq5ags.pep")
TOIG of: adh73029 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2003084563-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 04-APR-2002;
23-APR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unidentified
                                                                                                                                                                                                                 25-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Knudsen LB,
Nielsen LB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-OCT-2003
                                                                                                                                                                                       ADH73029;
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Characteristics and some properties of the control 
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   adi24854 ; Exendin-4 as active moiety for pharmacologically active peptide.
   (from "seq5ags.pep")
   TOIG of: adi24854 check: 9570 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               pharmacologically active peptide conjugate; enzymatic cleavage; pain; HIV; cancer; diabetes; incontinence; hypertension; ammesia; Alzheimer's disease; fever; depression; sex hormone regulation; eating disorder; schizopherania; osteoporosis; insomnia; central nervous system disorder; contraceptive.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New peptide conjugates used for treating, e.g. pain, HIV, depression, schizophrenia, osteoporosis or insomnia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin-4 as active moiety for pharmacologically active peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH73029 Length: 31 February 4, 2005 13:32 Type: P Check: 7617 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "amidated C-terminus"
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39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 24; Page 91; 113pp; English.
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Sequence 39 AA;

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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGX
```

match found in sequence:
adf44966; H. horridum exendin-3 peptide fragment.
(from "seq5ags.pep")
TOIG of: adf44966 check: 9591 from: 1 to: 39

ADP44966 standard; peptide; 39 AA

ADF44966;

12-FEB-2004 (first entry)

H. horridum exendin-3 peptide fragment.

detection; BST; expressed sequence tag library; conserved structure; pharmaceutical; drug target; mexican bearded lizard; natriuretic peptide; bradykinin; angiotensin-converting enzyme; ss; exendin-3.

Heloderma horridum.

WO2003071268-A2.

28-AUG-2003,

20-FEB-2003; 2003WO-EP001765.

20-FEB-2002; 2002DE-01008187.

PAIO-) PAION GMBH

Schleuning W, Schulz T;

WPI; 2003-697652/66.

Identifying substances with a specific activity in target organisms, useful for drug development, by detecting compounds with related activity in reference organisms

Example 1; Page 28; 76pp; German.

interior unservines a most mechan to use decoration of paramaceutically active in a target organism. The method comprises corganism or tissue and identifying active compounds in the reference organism or tissue and identifying active compounds in the reference corganism or tissue and identifying active compounds in the reference corganism or tissue and identifying active compounds in the reference corganisms or tissue and identifying active compounds in the reference conserved structures, which are used to identify orthologous structures in the target. Optionally the orthologous structures are then conserved structure-based optimisation of the required modified, e.g. by structure-based optimisation of the required as the method is used to identify polypeptides which are then used optionally after optimisation of properties, as pharmaceuticals. Or after validation as a drug target, for development of ligands, also contential pharmaceuticals. Polypeptides and nucleic acids encoding them, con identifying lead structures for pharmaceutical development. The continuity in humans, and should reduce the time between discovery and development of new drugs, since previous understanding of molecular content essary. The identified drugs will usually be very specific, with reduced side effects. Sequencing of a cDNA bank from the mexican bearded lizard effects. Sequencing of a cDNA bank from the mexican bearded content prevention indicated a 136 becquence that, by comparison with sequences in published databases, encoded a 196 amino acid precursor of natriuretic peptide. Analysis of corresponding sequences from other reputies spowed that the N-terminal region of the sequence probably and other encodes peptides that petentiate the effect of bradykinin and inhibit and others. This invention describes a novel method for discovering a substance that angiotensin-converting enzyme.

```
Type 1 diabetes; Latent Autoimmune Diabetes in the Adult; LADA; CD3; GLP-1; beta-cell; glycaemic control; exendin; insulinotropic; immunosuppressive; antidiabetic.
Check: 9591
                                                                        1 match found in sequence:
adh22131 ; Exendin peptide, an insulinotropic GLP-1 compound.
(from 'seqSags.pep')
TOIG of: adh22131 check: 7617 from: 1 to: 31
ADF44966 Length: 39 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                              Exendin peptide, an insulinotropic GLP-1 compound.
                                     HSDGTPTSDLSKQMBEEAVRLPIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                        ADH22131 standard; peptide; 31 AA
                                                                                                                                                                                                                                                                          /label= Pro, Tyr
                                                                                                                                                                                                                                                                                                                                 12-JUN-2003; 2003WO-DK000387.
                                                                                                                                                                                                                                                                                                                                                   14-JUN-2002; 2002DK-0000909
                                                                                                                                                             11-MAR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                      (NOVO ) NOVO NORDISK AS.
                                                                                                                                                                                                                                                                 Misc-difference 31
                                                                                                                                                                                                                                                                                              WO2003105897-A1
                                                                                                                                                                                                                                       Unidentified
                                                                                                                                                                                                                                                                                                               24-DEC-2003.
                                                                                                                                          ADH22131;
```

This invention relates to a novel method for the prevention and intervention into Type 1 diabetes and Latent Autoimmune Diabetes in the Adult (LADA). Specifically, it refers to the administration of a modulator derived from a CD3 and GIP-1 compound. This combined treatment provides a synergistic effect and can attenuate the further destruction of beta-cells, hence improving glycaemic control in diabetic patients. Purthermore, it can be used as a prophylactic for people at high risk for the development of type 1 diabetes and can provide an improved prognosis with respect to microvascular and macrovascular complications. The present invention describes exemin, a GIP-1 compound that is invention describes exemin, and fragments derived thereof that can be used to modulate beta call function. Accordingly, the compositions of this invention exhibit immunosuppressive and antidiabetic activities. This peptide sequence is a GLP-1 compound, the exendin peptide of the invention. Disclosure; Page 8; 24pp; English.

Preventing and intervening of Type 1 diabetes and latent autoimmune diabetes in the adult, comprising administering a modulator of CD3 and a

Sturis J;

Michelsen BK,

WPI; 2004-090758/09.

GLP-1 compound to a patient.

Sequence 31 AA;

February 4, 2005 13:32 Type: P Check: 7617 ADH22131 Length: 31

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|-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
```

. match found in sequence: add03757; Exendin-4 amino acid sequence SEQ ID NO:4. (from "seq5ags :pep") TOIG of: add02757 check: 9570 from: 1 to: 39

ADD02757 standard; peptide; 39 AA

ADD02757;

01-JAN-2004 (first entry)

Exendin-4 amino acid sequence SEQ ID NO:4.

insulin-secreting cell; glucagon-like peptide-1; GLP-1; diabetes; human; exendin-4.

Homo sapiens.

WO2003078462-A2

25-SEP-2003.

11-MAR-2003; 2003WO-US007210.

12-MAR-2002; 2002US-00097230.

(CEDA-) CEDARS SINAI MEDICAL CENT.

Perfetti R, Hui H;

WPI; 2003-779115/73

New insulin-secreting cell comprising an insulin-secreting cell transfected with a nucleotide sequence encoding a protein selected from glucagons-like peptide-1 (GLP) and its analog, useful for treating diabetes.

Claim 7; SEQ ID NO 4; 45pp; English.

The present invention describes an insulin-secreting cell comprising an insulin-secreting cell transfected with a nucleotide sequence encoding a protein selected from glucagon-like peptide-1 (GLP-1) and its analogue. Also described: (1) constructing an insulin-dependent glucose-secreting cell comprising: (a) providing an insulin-dependent glucose-secreting cell comprising the plasmid minigene construct comprising a plasmid; (b) isolating comprising the plasmid with the minigene construct; and (e) isolating the plasmid in the insulin-secreting cell; (2) determining the ability of a drug to stimulate cells to secreting cell; (2) determining the ability of a drug to stimulate cells in secreting cell; (b) exposing the cell; (c) the drug; and (c) measuring the amount of insulin secreted by the cell; (a) and (3) supplying insulin to a mammal comprising: (a) providing the insulin-secreting cells; (b) exposing the cells; (c) mammal, the body fluid providing an indication of glucose level; and (c) transferring to the mammal insulin secreted from the cells. The insulince secreting cell and methods are useful for treating diabetes. The cells or are also useful for investigating the development and function of the pancreas, the cell that constitutes it, and the secretion it produces. The present sequence represents exemplification of the present invention.

ADD02757 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS

to: 31 1 match found in sequence: add12855 ; Exendin derivative parent peptide #1. (from "seq5ags.pep")
TOIG of: add12855 check: 7617 from: 1

ADD12855 standard; peptide; 31 AA

ADD12855;

(first entry) 01-JAN-2004

Exendin derivative parent peptide #1.

GLP-1; glucagon-like peptide-1; exendin; antidiabetic; anti-obesity; insulinotropic; hypoglycaemic; insulin secretion; glucagon suppressor; gastric emptying inhibitor; pancreatic secretion inhibitor; non-insulin-dependent diabetes mellitus; insulin-dependent diabetes mellitus;

Synthetic.

Location/Qualifiers Misc-difference 31

/label= Pro, Tyr

WO9943708-A1

02-SEP-1999.

99WO-DK000086. 25-FEB-1999;

98DK-00000274. 98US-0084357P. 27-FEB-1998; 05-MAY-1998;

(NOVO) NOVO-NORDISK AS.

Madsen K; Huusfeldt PO, Nielsen PF, Knudsen LB,

WPI; 1999-540562/45.

New derivatives of glucagon-like peptide-1 and exendin containing lipophilic substituent, for treating diabetes and obesity.

Claim 82; Page 61; 69pp; English.

The present invention describes derivatives (A1) of GLP-1 (glucagon-like peptide-1) (7-c) (with c = 35 or 36) having just one lipophilic competide-1) (7-c) (with c = 35 or 36) having just one lipophilic competitions (L2) attached to the C-terminal anno acid (aa) and derivatives (A2) of exendin with L3 attached to at least one as of the garent peptide. Al excludes compounds Arg26, Arg34, Lys36-(N-c) epsilon (omega-carboxyX) cLP-1(7-36)-OH, where X = nonadecanoy1, checanoy1 or heptanoy1. Also described are compositions containing A1 and A2 plus a vehicle or carrier. A1 and A2 have containing A1 and A2 plus a vehicle or carrier. A1 and A2 have containing the co

Sequence 31 AA;

ADD12855 Length: 31 February 4, 2005 13:32 Type: P Check: 7617 Found using 'seq5' (mohamed337.key)

seq5_ags.res

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The ivention describes a method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischaemia and/or reperfusion in a human subject, comprising the administration of a glucagon-like peptide-1 (GLP-1) molecule. The method is useful for treating or preventing intermittent claudication or skeletal muscle injury caused by ischaemia and/or reperfusion in a human subject suffering from peripheral vascular disease (PVD). Administration of GLP-1 in a subject improves skeletal muscle performance by promoting glucose oxidation and reducing fatty acid oxidation. This is the amino acid sequence of a mammalian glucost-like peptide-1 peptide GLP-1(1-37) that can be used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     vasotropic; intermittent claudication; skeletal muscle injury; ischaemia; glucagon-like peptide-1; GLP-1; peripheral vascular disease; glucose oxidation; fatty acid oxidation reduction; Glla monster venom;
ovaries, abnormal uterine bleeding and spontaneous abortion, and for restoring regular menses, ovulation and fertility. A GLP-1 molecule reduces insulin resistance or increases insulin sensitivity. The present sequence represents a Gila monster venom peptide, exendin 4, which shows homology to GLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischemia and/or reperfusion in a human subject, comprises administration of a glucagon-like peptide-1 molecule.
                                                                                                                                                                 ADA44872 Length: 39 February 4, 2005 13:32 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)
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HGEGTPTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                       match found in sequence: adb84203; Gila monster venom exendin 3.
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                                                                                                                                                                                                                                                                                                                                                                                                                     ADB84203 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gila monster venom exendin 3.
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09-MAY-2001; 2001US-00851738.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-DEC-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (HATH/) HATHAWAY D R. (COOL/) COOLIDGE T R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-677986/64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma suspectum
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TOIG of: adb84203 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003073626-A1
                                                                                                                             Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB84203;
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The ivention describes a method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischaemia and/or reperfusion in a human subject, comprising the administration of a glucagon-like peptide-1 (GLP-1) molecule. The method is useful for treating or preventing intermittent claudication or skeletal muscle suffering from peripheral vascular disease (PVD). Administration of GLP-1 in a subject improves skeletal muscle performance by promoting glucose oxidation and reducing fatty acid oxidation. This is the amino acid sequence of a mammalian glucagon-like peptide-1 peptide GLP-1(1-37) that can be used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                           vasotropic; intermittent claudication; skeletal muscle injury; ischaemia; glucagon-like peptide-1; GLP-1; peripheral vascular disease; glucose oxidation; fatty acid oxidation reduction; Glla monster venom; exendin 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischemia and/or reperfusion in a human subject, comprises administration of a glucagon-like peptide-1 molecule.
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                              ADB84203 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 Found using 'seq5' (mohamed337.key)
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                                                                                                  HSDGTFTSDLSKQMBERAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                 match found in sequence:
adb84205 ; Gila monster venom exendin 4.
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                                                                                                                                                                                                                                                       ADB84205 standard; peptide; 39 AA.
                                                                                                                                                                                                                                                                                                                                                           Gila monster venom exendin 4.
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09-MAY-2001; 2001US-00851738.
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                                                                                                                                                                                                                       check: 9570
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                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (HATH/) HATHAWAY D R. (COOL/) COOLIDGE T R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-677986/64.
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TOIG of: adb84205 c
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Sequence 39 AA;
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Check: 9570

ADB84205 Length: 39 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)

ន្តដូបូបូបូ

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The invention relates to a method for treating polycystic ovary syndrome (PCOS). The method comprises administering a glucagon-like peptide-1 (GLP-1) molecule. The method of the invention has gynecological, depilateric, anorectic, hypotensive, antilipaemic, antilnfertility. A GLP-1 molecule of the invention acts as a plasma glucose regulator, or insulin secretion stimulator. The method is useful for treating polycystic ovary syndrome (PCOS) and its symptoms, particularly insulin resistance, hyperinsulinaemia, type-2 diabetes, obesity, hypertension, hyperlipidaemia, anovulation or irregular ovulation, infertility,
GLP-1, and/or GIP. The treatment may be combined with the administration of dipeptidyl peptidase IV (DPP-IV) inhibitors. ABU91969-ABU91975 represent GLP-1, GLP-1 variant, exendin or GIP peptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polycystic ovary syndrome; PCOS; glucagon-like peptide-1; GLP-1; gynaecological; antidiabetic; anorectic; hypotensive; antilipaemic; antiinfertility; depilatory; andocrine-gen.; antiseborrheic; antialedorrheic; antiseborrheic; insulin resistance; hyperinsulinaemia; type-2 diabetes; obesity; hypertension; hyperinsulinaemia; type-2 diabetes; obesity; infertility; hyperandrogenism; anovulation; irregular ovulation; infertility; hyperandrogenism; hiputime; alopecia; acne; enlarged multifollicular ovaries; abnormal uterine bleeding; spontaneous abortion; insulin sensitivity; Gila monster; exendin 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Treating polycystic ovary syndrome and associated symptoms e.g. insulin resistance comprises administering glucagon-11ke peptide-1 molecule.
                                                                                                                             Check: 9570
                                                                                                                                                                                                                                                                                             1 match found in sequence: ada44870 ; Glla monster exendin 3 peptide SEQ ID NO: 7.
                                                                                                                             Type: P
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                             ABU91974 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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TOIG of: ada44870 check: 9591 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                               ADA44870 standard; peptide; 39 AA.
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11-DEC-2002; 2002US-00317126.
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                                                                                       Sequence 39 AA;
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The invention relates to a method for treating polycystic ovary syndrome (PCOS). The method comprises administering a glucagon-like peptide-1 (GLP-1) molecule. The method of the invention has gynecological, antidiabetic, anorectic, hyporensive, antidipaemic, antinfertility, depilatory, andocrine-gen., antiseborrheic, and dermatological activity. A GLP-1 molecule of the invention acts as a plasma glucose regulator, or insulin secretion stimulator. The method is useful for treating polycystic ovary syndrome (PCOS) and its symptoms, particularly insulin resistance, hyperinsulinaemia, type-2 diabetes, obesity, hypertemsion, hyperinsulamenia, type-2 diabetes, obesity, hypertemsion, hyperandrogenism, hirsutism, alopecia, acne, enlarged multifollicular
hyperandrogenism, hirsutism, alopecia, acne, enlarged multifollicular ovaries, abnormal uterine bleeding and sponteneous abortion, and for restoring regular menses, ovulation and fertility. A GLP-1 molecule reduces insulin resistance or increases insulin sensitivity. The present sequence represents a Gila monster venom peptide, exendin 3, which shows homology to GLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     polycystic ovary syndrome; PCOS; glucagon-liké peptide-1; GLP-1; gynaecological; antidiabetic; anorectic; hypotensive; antilipaemic; antiinfertility; depilatory; andocrine-gen; antisebornheic; dermatological; plasma docrine-gen; antisebornheic; insulin resistance; hyperinsulinaemia; type-2 diabetes; obesity; hypertension; hyperlipidaemia; anovulation; irregular ovulation; infertility; hyperandrogeniam; alopecia; acne; enfarged multifollicular ovaries; abnormal uterine bleeding; epontaneous abortion; insulin sensitivity; Gila monster; exendin 4.
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                                                                                                                                                                                                            ADA44870 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                       ada44872 ; Gila monster exendin 4 peptide SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gila monster exendin 4 peptide SEQ ID NO: 9.
                                                                                                                                                                                                                                                                                                  HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADA44872 standard; peptide; 39 AA.
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11-DEC-2002; 2002US-00317126.
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TOIG of: ada44872 c
                                                                                                                                                                             Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA44872;
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protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypoptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, or for reducing the symptom(s) of neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gila-monster lizard exendin-4 analogue

888888888888888

Sequence 30 AA;

ABU66238 Length: 30 February 4, 2005 13:32 Type: P Check: 5123 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIAWLKNGR

match found in sequence:
abu66255 ; Gila monster exendin-4 analogue #14.
(from "seq5ags.pep") to: 36 from: 1 check: 333 TOIG of: abu66255

ABU66255 standard; peptide; 36

ABU66255;

20-MAY-2003 (first entry)

Gila monster exendin-4 analogue #14.

Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal proliferation; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzhaimer's disease; Parkinson's disease; huntington's disease; amyloid protein; amyloirophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

Heloderma suspectum.

Synthetic

WO2003011892-A2.

13-FEB-2003.

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P.

(USSH) US DEPT HEALTH & HUMAN SERVICES

Perry TA; Holloway H, Greig NH, Egan J, Doyle M,

WPI; 2003-268106/26.

or a stroke, multiple or their ö New Glucagon-like peptide-1 or exendin-2 polypeptides, analogues, useful for treating a subject with diabetes neurodegenerative condition (e.g. Alzheimer's disease, sclerosis or brain injury).

Example 9; Page 37; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 9 of GLP-1. Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal

processes, by contacting one or more neurons with the polypeptide; and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gila-monster lizard exendin-4 analogue Adenoviral vector; glucagon-like peptide 1; GLP-1; GIP; obesity; glucose-dependent insulinotropic peptide; type II diabetes; in vivo expression; dipeptidyl peptidase IV inhibitor; DPP-IV; GLP-1 variant; exendin; antidiabetic; anorectic; gene therapy. Check: 333 ABU66255 Length: 36 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key) 39 ;; |-----HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP from: 1 abu91974 ; Glia monster exendin peptide ABU91974 standard; peptide; 39 09-OCT-2002; 2002WO-US032051. Glia monster exendin peptide. (from "seq5ags.pep") TOIG of: abu91974 check: 9570 (first entry) 1 match found in sequence: #02003030946-A1 Sequence 36 AA; Unidentified 14-JUL-2003 17-APR-2003. ABU91974; 8888888888888888888888888

2001US-0328116P. 09-OCT-2001;

(NOVS) NOVARTIS AG

Golightly D, Hughes T, Kaleko M, Pattison S; Connelly S, Sakhuja K;

WPI; 2003-381685/36. N-PSDB; ACA92262. New viral vectors comprising a sequence encoding glucagons-like peptide 1 or glucose-dependent insulinotropic peptide, a sequence encoding a signal sequence, and a polyadenylation signal, for treating e.g. diabetes or obesity

Disclosure; Page 17; 62pp; English.

The present invention relates to an adenoviral vector comprising a polynucleotide sequence encoding glucagon-like peptide 1 (GLP-1) or glucose-dependent insulinotropic peptide (GIP), a polynucleotide sequence encoding a signal sequence upstream of it, and a polyadanylation signal downstream of it. The viral vector is useful in gene therapy for treating type II diabetes, obesity and related conditions by in vivo expression of

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The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Escandin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1. Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide; and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide; and protein metabolism. The polypeptides which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        neuronal proliferation, neuronal process growth, amyloid protein, diabetes, type 2 diabetes, neurodegenerative condition, brain injury, Allaheimer's disease, Parkinson's disease, Huntington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.
polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, or for reducing the symptom(s) neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gila-monster lizard exendin-4 analogue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein;
                                                                                                                                                   Type: P Check: 700
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                                                                                                                                                                                                                                                                                                                        . match found in sequence:
abu66237 ; Gila monster exendin-4 analogue #11.
                                                                                                                                                 Length: 28 February 4, 2005 13:32
3 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gila monster exendin-4 analogue #11.
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                                                                                                                                                                                                                                                                                                                                                                                                                              ABU66237 standard; peptide; 30 AA
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                                                                                                                                                                                                                   HGEGTFTSDLSKQMEEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sclerosis or brain injury)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-268106/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                  (from "seq5ags.pep")
TOIG of: abu66237 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
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                                                                                                                                                                           Found using
                                                                                                                                                        ABU66221
                                                                                                                                                                                                                                                                                                                      match
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The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1. Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal differentiation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide; and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide amyloid precursor
disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, or for reducing the symptom(s) of neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gila-monster lizard exendin-4 analogue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutent; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzhaimer's disease; parkinson's disease; huntington's disease; amyloid at selection; amyloic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gla-monster lizard.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
                                                                                                                                                                                                                         ABU66237 Length: 30 February 4, 2005 13:32 Type: P Check: 5219
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Egan J, Doyle M, Holloway H,
                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
abu66238 ; Gila monster exendin-4 analogue #12.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gila monster exendin-4 analogue #12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU66238 standard; peptide; 30 AA.
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                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKOMEEEAVRLFIEWLKNGR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     check: 5123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq5ags.pep")
TOIG of: abu66238 c
                                                                                                                                                                                    Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-MAY-2003
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seq5_ags.res

Fri

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Check: 7453
Type: P
2005 13:32
35 February 4, (mohamed337.key)
ABU66219 Length: 35
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|-----| HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGA

to: 33 match found in sequence:
abu66220 ; Gila monster exendin-4 analogue #4. check: 2764 from: 1 (from "seq5ags.pep" TOIG of: abu66220

ABU66220 standard; peptide; 33 AA

ABU66220;

20-MAY-2003 (first entry)

Gila monster exendin-4 analogue #4.

Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Alzheimer's disease; Parkinson's disease; Huntington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard

Heloderma suspectum. Synthetic.

WO2003011892-A2.

13-FEB-2003

30-JUL-2002; 2002WO-US024141

31-JUL-2001; 2001US-0309076P

(USSH) US DEPT HEALTH & HUMAN SERVICES.

Perry TA; Holloway H, Doyle M, Egan J, Greig NH,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-1 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1. Also include are: (1) reducing neuronal death, promoting neuronal cafferentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, which affects amyloid precursor one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for caducing the symptom (s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The neurotoxic injury or neurodegenerative condition in a subject. The

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                                                     Check: 2764
present sequence is a Gila-monster lizard exendin-4 analogue
                                                       Type: P
                                                     2005 13:32
                                                       33 February 4, (mohamed337.key)
                             Sequence 33 AA;
                                                     ABU66220 Length:
Found using 'seq5'
 SXS
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS

to: 28 abu66221 ; Gila monster exendin-4 analogue #5. check: 700 from: 1 1 match found in sequence: (from "seq5ags.pep") TOIG of: abu66221 c

Ź ABU66221 standard; peptide; 28

ABU66221;

(first entry) 20-MAY-2003 Gila monster exendin-4 analogue #5.

Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; noctropic; neuroprotective; antiparkinsonian; anticonvilsant; mutent; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal proliferation; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allahamer's disease; Parkinson's disease; Huntington's disease; amyloic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

Heloderma suspectum Synthetic.

WO2003011892-A2.

13-FEB-2003.

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P.

(USSH) US DEPT HEALTH & HUMAN SERVICES.

Perry TA; Egan J, Doyle M, Holloway H, Greig NH,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple solerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, subject surplement as clerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(8) of neurodegenerative conditions in a subject. The

28

to: 37 match found in sequence: abu66218 ; Gila monster exendin-4 analogue #2. check: 3293 from: 1 (from "seq5ags.pep") TOIG of: abu66218 c

ABU66218 standard; peptide; 37 AA

20-MAY-2003 (first entry)

Gila monster exendin-4 analogue #2

Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; parkinson's disease; buttington's disease; amyloid protein; amyloirophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

Heloderma suspectum.

Synthetic.

WO2003011892-A2.

13-FEB-2003

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P

(USSH) US DEPT HEALTH & HUMAN SERVICES.

Perry TA;

Holloway H,

Doyle M,

Egan J,

Greig NH,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

Exendin-4 or an exendin analogue with a spacer between the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue.

Exendin-4 or an exendin analogue with a spacer between the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue.

Exendin-4 or an exendin analogue with a spacer between the amino acid deficient acid or creditions or accommandath, promoting neuronal acid differentiation or proliferation, or promoting growth of neuronal configuration or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor one or more neurons with the polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's Glaebee, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury or peripheral neuropathy) as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The neurotoxic injury or neurodegenerative condition in a subject. The polype condition in a subject of the neuron of the neuron of the reducing the symptom(s) of present sequence is a Glia-monster lizard exendin-4 analogue invention relates to a purified polypeptide, which comprises the

Sequence 37 AA;

ABU66218 Length: 37 February 4, 2005 13:32 Type: P Check: 3293 Found using '8eg5' (mohamed337.key)

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HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPP
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. match found in sequence: abu66219; Gila monster exendin-4 analogue #3. (from "seq5ags.pep") TOIG of: abu66219 c

check: 7453

ABU66219 standard; peptide; 35 AA

ABU66219;

(first entry) 20-MAY-2003 monster exendin-4 analogue #3. Gila

Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvilsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal proliferation; neuronal process growth; amyloid procein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; parkinson's disease; huntington's disease; amyloid process; amyloid procein; amylotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gla-monster lizard.

Heloderma suspectum

Synthetic.

WO2003011892-A2

13-FEB-2003.

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P.

(USSH) US DEPT HEALTH & HUMAN SERVICES.

Egan J, Doyle M, Holloway H,

Greig NH,

Perry TA;

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal differentiation or proliferation or more neurons with the polypeptide, which affects amyloid precursor one or more neurons with the polypeptide, which affects amyloid precursor or protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition the symptom (s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject or injury or neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in the symptom (s) of neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a

Sequence 35 AA;

ABU66216;

(revised)
(first entry) 23-OCT-2003 20-MAY-2003

Glucagon-like peptide 1/exendin-4 analogue #1

Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; human; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal proliferation, neuronal process growth; amyloid protein, diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; Parkinson's disease; Huntington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

Homo sapiens

Heloderma suspectum

Chimeric.

WO2003011892-A2

13-FEB-2003

30-JUL-2002; 2002WO-US024141

31-JUL-2001; 2001US-0309076P

(USSH) US DEPT HEALTH & HUMAN SERVICES.

Perry TA; Holloway H, Doyle M, Egan J, Greig NH,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal differentiation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor con or more neurons with the polypeptide, which affects amyloid precursor with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury or peripheral neuropathy, as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, or for reducing the symptom(s) of neurotoxic injury or neurodegenerative condition in a subject. The neurotoxic injury or neurodegenerative condition in a subject. The persent sequence is a human GLP-1/Glia- monster lizard exendin-4

Sequence 39 AA;

ABU66216 Length: 39 February 4, 2005 13:32 Type: P Check: 9558 ound using 'eeq5' (mohamed337.key) Found

HAEGTPTSDLSKOMEEBAVRLFIEWLKNGGPSSGAPPPS

to: 30 match found in sequence:
abu66217 ; Gila monster exendin-4 analogue #1.
(from "seq5ags.pep") check: 4877 from: 1 (from "seq5ags.per TOIG of: abu66217

ABU66217 standard; peptide; 30 AA

ABU66217;

(first entry) 20-MAY-2003 Gila monster exendin-4 analogue #1

Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allahaimer's diabetes; Barkinson's diabetes; Huntington's disease; Parkinson's disease; Barkinson's disease; Barkinson's disease; amyloid protein; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

Heloderma suspectum.

Synthetic.

WO2003011892-A2.

13-FEB-2003.

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P.

(USSH) US DEPT HEALTH & HUMAN SERVICES.

Perry TA; Egan J, Doyle M, Holloway H, Greig NH,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8 or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal differentiation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor con or more neurons with the polypeptide, which affects amyloid precursor with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain creducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic conjugation or neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic conditions in a subject with the symptom of the polypeptides are also useful for treating a subject with neurotoxic the polypeptides are also useful for treating a subject with the polypeptides are also useful for treating a subject with neurotoxic the polypeptides are also useful for treating a subject with neurotoxic the polypeptides are also useful for treating a subject with neurotoxic the polypeptides are also provides and polypeptides and polypeptides are also provides and polypeptides and polypeptides are also provides and polypeptides neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gila-monster lizard exendin-4 analogue

Sequence 30 AA;

February 4, 2005 13:32 Type: P Check: 4877 ABU66217 Length: 30 February 4, sound using 'seq5' (mohamed337.key) Found

HAEGTFTSDLSKOMEBEAVRLFIEWLKNGG

Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; cerebroprotective; neuronal death; neuronal differentiation; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzhaimer's disease; Parkinson's disease; Huntington's disease; amyorrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

20-MAY-2003 (first entry) Gila monster exendin-4.

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The invention relates to novel analogues of exendin-4 (ABP58572-ABP58576) or their pharmaceutically acceptable salts. The invention also encompasses a procedure for preparing the exendin-4 analogues. Exendin-4 (ABP5878) is a polypeptide obtained from the Mexican beaded lizard (Heloderma horridum) which acts as an agonist of glucagon-like peptide I (Heloderma horridum) which acts as an agonist of glucagon-like peptide I (GLP-1) see ABP58577). Like exendin-4 analogues of the invention have antidiabetic activity, being abbe to promote the secretion of insulin and reduce blood sugar, and are thus applicable in treating type 2 diabetes. Oil micrograms of an exendin-4 analogue was femonstrated to be abbe to reduce blood sugar to approximately 20% of its former value after one hour, and its effects lasted 30 minutes longer than 4 micrograms of insulin. The exendin-4 analogues of the invention permitting large-scale production. The present sequence represents wild-type exendin-4 which is referred to in the disclosure of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Polypeptide exendin-4 derivatives, useful for promoting insulin secretion and reducing blood sugar, for treating diabetes type 2.
                                                                                                                                                                 exendin-4 analogue; antidiabetic;
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to: 39
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                                                                                                                                                               Exendin-4; Mexican beaded lizard; exer
insulin secretagogue; type 2 diabetes
                                                                                                                                                                                                                                            Location/Qualifiers
39
 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 2; 24pp; Chinese.
                                   ABP58578 standard; peptide; 39 AA
                                                                                                                                 Mexican beaded lizard exendin-4.
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                                                                                                                                                                                                                                                                                                                                                                                     08-MAY-2002; 2002WO-CN000316.
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 check: 9570
                                                                                                   (first entry)
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                                                                                                                                                                                                                     Heloderma horridum.
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                                                                                                                                                                                                                                                                                                                      WO200290388-A1
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                                                                                                                                                                                                                                                      Key
Modified-site
   TOIG of: abp58578
                                                                                                   28-MAR-2003
                                                                                                                                                                                                                                                                                                                                                       14-NOV-2002
                                                                    ABP58578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sun Y,
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New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzhelmer's disease, stroke, multiple

Claim 27; Fig 1; 119pp; English.

sclerosis or brain injury).

Perry TA;

Egan J, Doyle M, Holloway H,

WPI; 2003-268106/26

Greig NH,

(USSH) US DEPT HEALTH & HUMAN SERVICES.

30-JUL-2002; 2002WO-US024141 31-JUL-2001; 2001US-0309076P

Heloderma suspectum.

WO2003011892-A2

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The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, and processes, by contacting one or more neurons with the polypeptide, which affects amyloid protein protein metabolism. The polypeptide, which affects amyloid processor protein metabolism. The polypeptides are useful for treating a subject of a neurodegenerative growition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, erroke, multiple sclerosis, brain disease, amyotrophic lateral sclerosis, erroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy, as well as for reducing the symptom (s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, are entitly or neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, are an entitly of a subject.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        neurotoxic injury or neurodegenerative condition in a subject. present sequence is wild-type Gila-monster lizard exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2005 13:32 Type: P Check: 9570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
abu66216; Glucagon-like peptide 1/exendin-4 analogue #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS
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to: 39

from: 1

check: 9558

(from "seq5ags.pep") TOIG of: abu66216 c

to: 39

check: 9570 from: 1

match found in sequence: abu66208 ; Gila monster exendin-4.

"seq5ags.pep") of: abu66208 (

ë ë

ABU66208 standard; peptide; 39 AA.

ABU66208;

SEE

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

Found

ABU66216 standard; peptide; 39 AA

ДX

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digestive hormone disease, atherosclerosis, vascular disease, gestational diabetes. liver disease and cirrhosis, glucocorticoid excess, Cushing's disease, the presence of activated counter regulatory hormones that occur after trauma or a disease, hypertriglyceridemia, chronic pancreatitis, the need for parenteral feeding, and a catabolic state following surgery or injury. Sequences ABB07149-155 represent peptide fragments from gila monster venoms that are homologous to GIP-1 molecules and can be included
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to the treatment of hibernating myocardium by administering a GLP-1 (glucagon like peptide-1) molecule. GLP-1 activity may be described as, cardiant, antidiabetic and assotropic. GLP-1 may be used for treating, hibernating myocardium, congestive heart failure, ischaemic cardiomyopathy and diabetic cardiomyopathy. GLP-1 reduces plasma or heart norepinepherine level in a patient. The current sequence represents the glucagon like peptide-1 (GLP-1) known as exendin 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Glucagon like peptide-1; GLP-1; exendin 3; cardiant; antidiabetic; vasotropic; hibernating myocardium; congestive heart failure; ischaemic cardiomyopathy; diabetic cardiomyopathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Treatment of hibernating myocardium involves administering GLP-1
                                                                                                                                                                                                      Check: 9570
                                                                                                                                                                                                      Type: P
                                                                                                                                                                                                                                                                                                                                                                    abb80100 ; Glucagon like peptide-1 (GLP-1) exendin 3. (from "seq5ags.pep")
TOIG of: abb80100 check: 9591 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Glucagon like peptide-1 (GLP-1) exendin 3.
                                                                                                                                                                                                                                                             |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
                                                                                                                                                                                                    ABB07151 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 13; 25pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                              ABB80100 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-OCT-2000; 2000US-0241834P.
23-OCT-2000; 2000US-0242139P.
03-NOV-2000; 2000US-0245234P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-OCT-2001; 2001WO-US032559.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-426545/45.
                                                                                                                                                                                                                                                                                                                                                   match found in sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Heloderma suspectum
                                                                                                                               in the composition
                                                                                                                                                                Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200234285-A2
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABB80100;
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The invention relates to the treatment of hibernating myocardium by administering a GLP-1 (glucagon like peptide-1) molecule. GLP-1 activity may be described as, cardiant, antidiabetic and vasotropic. GLP-1 may be used for treating, hibernating myocardium, congestive heart failure, ischaemic cardiomyopathy and diabetic cardiomyopathy. GLP-1 reduces plasma or heart norepinepherine level in a patient. The current sequence represents the glucagon like peptide-1 (GLP-1) known as exendin 4
                                                                                                                                                                                                                                                                                                                                                     Glucagon like peptide-1; GLP-1; exendin 4; cardiant; antidiabetic; vasotropic; hibernating myocardium; congestive heart failure; ischaemic cardiomyopathy; diabetic cardiomyopathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                reatment of hibernating myocardium involves administering GLP-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Check: 9570
 Check: 9591
                                                                                                                                     match found in sequence:
abb83059 ; Glucagon like peptide-1 (GLP-1) exendin 4 #2.
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Found using 'seq5' (mohamed337.key)
   Type: P
                                                                                                                                                                                                                                                                                                                       Glucagon like peptide-1 (GLP-1) exendin 4 #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                  |-----|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
ABB80100 Length: 39 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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abp58578 ; Mexican beaded lizard exendin-4.
                                                                                                                                                                                    check: 9570 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 13; 25pp; English
                                                                                                                                                                                                                     ABB83059 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-OCT-2000; 2000US-0241834P.
23-OCT-2000; 2000US-0242139P.
03-NOV-2000; 2000US-0245234P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-OCT-2001; 2001WO-US032559.
                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (COOL/) COOLIDGE T R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-426545/45.
                                                                                                                                                                                                                                                                                                                                                                                                                           Heloderma suspectum
                                                                                                                                                                    (from "seq5ags.pep")
TOIG of: abb83059 cl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200234285-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                                                                                                        02-OCT-2002
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                                                                                                                                                                                                                                                      ABB83059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ehlers M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   molecule.
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(IGT) or non-insulin requiring type II diabetes to insulin requiring type II diabetes. The invention also relates to the use of GIP-1, its analogues, derivatives and agonists for increasing the insulin synthesis capability of a subject. The GIP-1 derivative is Arg34, Ivys26 (N-epsilon-(gamma-Glu(N-alpha-hexadecanoyl)))-GIP-1(7-37). The GIP-1 agonist is particularly GIP-1(7-37) and GIP-1(7-37) and the corresponding Thr8, Met8, GIy8 and Val8 analogues. The method is used for delaying progression of impaired glucose tolerance or non-insulin requiring type II diabetes and for increasing
                                                                                                                                                                                                                                                                           insulin synthesis
                    8$$$$$$$$$$$$$$$$
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Sequence 31 AA;

AAY76998 Length: 31 February 4, 2005 13:32 Type: P Check: 7617 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX

match found in sequence: abb07149 ; Gila monster venom exendin 3 fragment to: 39 check: 9591 from: 1 (from "seq5ags.pep") TOIG of: abb07149 cl

ABB07149 standard; peptide; 39 AA

ABB07149;

13-MAR-2002 (first entry)

Gila monster venom exendin 3 fragment.

GLP-1; glucagon-like-peptide-1; growth-hormone releasing factor; GRF; parathyroid hormone; PTH; antidiabetic; anoretic; cerebroprotective; vasotropic; anti-inflammatory; antiarteriosclerotic; hepatotropic; tranquilizer; vulnerary; osteopathic; gila monster; exendin.

Heloderma suspectum

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO200187322-A2

22-NOV-2001.

17-MAY-2001; 2001WO-US015872

17-MAY-2000; 2000US-0205377P. 19-MAY-2000; 2000US-0205262P.

(BION-) BIONEBRASKA INC.

Holmquist B, Dormady DC;

WPI; 2002-082941/11.

The invention provides a pharmaceutical composition that comprises a molecule selected from a glucagon-like-peptide-1 (GLP-1) molecule, growth hormone releasing factor (GRF) molecule or a parathyroid hormone (PTH) molecule. The composition further includes a weak acid such as acetic acid. The pH of the composition is 3 - 5. The composition can be used for the treatment of a disease or condition selected from diabetes, excess appetite, obesity, stroke, ischemia, reperfusion injury, disturbed New peptide formulation for treating disease e.g. diabetes, obesity, ischemia comprises peptides, an acid having a specified dissociation constant and an excipient. Disclosure; Page 10; 34pp; English.

glucose metabolism, surgery, coma, shock, gastrointestinal disease, digestive hormone disease, atherosclerosis, vascular disease, gestational diabetes, liver disease and cirrhosis, glucocorticoid excess, Cushing's disease, the presence of activated counter regulatory hormones that occur after trauma or a disease, hypertriglyceridemia, chronic pancreatitis, the need for parenteral feeding, and a catabolic state following surgery or injury. Sequences ABB07149-155 represent peptide fragments from gila monster venoms that are homologous to GLP-1 molecules and can be included in the composition

Sequence 39 AA; 88888888888888 ABB07149 Length: 39 February 4, 2005 13:32 Type: P Check: 9591 Found using 'seq5' (mohamed337.key)

HSDGTFTSDLSKOMEBEAVRLF1EWLKNGGPSSGAPPPS

match found in sequence: abb07151 ; Glla monster venom exendin 4 peptide (residues 1-39). to: 39 (from "seq5ags.pep") TOIG of: abb07151 c

check: 9570 from: 1 ABB07151 standard; peptide; 39 AA

ABB07151;

(first entry) 13-MAR-2002 Gila monster venom exendin 4 peptide (residues 1-39).

GLP-1; glucagon-like-peptide-1; growth-hormone releasing factor; GRF; parathyroid hormone; PTH; antidiabetic; anoretic; cerebroprotective; vasotropic; anti-inflammatory; antiarteriosclerotic; hepatotropic; tranquilizer; vulnerary; osteopathic; gila monster; exendin.

Heloderma suspectum.

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO200187322-A2.

22-NOV-2001.

17-MAY-2001; 2001WO-US015872.

17-MAY-2000; 2000US-0205377P. 19-MAY-2000; 2000US-0205262P.

(BION-) BIONEBRASKA INC.

Dormady DC; Holmquist B,

WPI; 2002-082941/11.

New peptide formulation for treating disease e.g. diabetes, obesity, ischemia comprises peptides, an acid having a specified dissociation constant and an excipient.

Disclosure; Page 11; 34pp; English.

The invention provides a pharmaceutical composition that comprises a molecule selected from a glucagon-like-peptide-1 (GLP-1) molecule, growth-hormone releasing factor (GRF) molecule or a parathyroid hormone (PTH) molecule. The composition further includes a weak acid such as acetic acid. The pH of the composition is 3 - 5. The composition can be used for the treatment of a disease or condition selected from diabetes, excess appetite, obesity, stroke, ischemia, reperfusion injury, disturbed glucose metabolism, surgery, coma, shock, gastrointestinal disease,

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rapid diuremis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increosing have a low toxicity, and are easily administered intravenously. Sequences AAX31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                               Length: 29 February 4, 2005 13:32 Type: P Check: 2649
3 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 37
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                                                                                                                                                                                                                                                                                                                       HGEGTFTSDASKQMEEEAVRLFIEWLKNG
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                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aay31565, Exendin agoniet peptide.
(from "seq5ags.pep")
TOIG of: aay31565 check: 3183 fr
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hypertension, urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide.
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                                                                                                                                                                                                              Sequence 29 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY31565;
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   88888888888888
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(renal failure, congestive heart failure, nephrotic syndrome, pulmonary rapid diuresis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing condition/congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAX31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin; GLP-1; agoniet; glucagon like peptide-1; insulin synthesis; impaired glucose tolerance; IGT; non-insulin requiring type II diabetes; insulin requiring type II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of GLP-1, its analogs, derivatives and agonists for increasing insulin synthesis, delaying progression of impaired glucose tolerance or non-insulin requiring type II diabetes to insulin requiring type II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This sequence represents an exendin peptide, and is a GLP-1 agonist. Th invention relates to the use of a glucagon like peptide-1 (GLP-1), its analogue, derivative, or a GLP-1 agonist for the preparation of a medicament for delaying the progression of impaired glucose tolerance
                                                                                                                                                                                                                                                                         Check: 3183
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                                                                                                                                                                                                                                                                                                                                            HGEGTFTSDASKOMBERAVRLFIEWLKNGGPSSGAPP
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                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aay76998 ; Exendin peptide.
(from "seq5ags.pep")
TOIG of: aay76998 check: 7617 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY76998 standard; peptide; 31 AA
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                                                                                                                                                                                                                                                                       AAY31565 Length: 37 February 4, Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (NOVO ) NOVO-NORDISK AS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sturis J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-205569/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Misc-difference 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin peptide.
                                                                                                                                                                                                                                      Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200007617-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-JUL-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12-AUG-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-FEB-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nielsen JH,
Knudsen LB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY76998;
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     883333333333333
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of presponency; cardiac contractility; renal failure; diuretic; concestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing units frow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                            AAY31562 Length: 28 February 4, 2005 13:32 Type: P Check: 237
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
    ay31563; Exendin agonist peptide.
    from "secfasg.pep")
    TOIG of: aay31563 check: 2215 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3xample 62; Page 62; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31563 standard; peptide; 33 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                         |------HGEGTFTSDLSKQLEEEAVRLFIDFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-527332/44
                                                                                                                                                                                                                           Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY31563;
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rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AXX31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide agonists;
                                                                                                                                                                                                                                             AAY31563 Length: 33 February 4, 2005 13:32 Type: P Check: 2215 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       check: 2649 from: 1
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                                                                                                                                                                                                                                                                                                                        HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31564 standard; peptide; 29 AA
                                                                                                                                                                                                                                                                                                                                                                                                                    aay31564 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                         (from "seq5ags.pep")
TOIG of: aay31564 c
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                                                                                                                                                                                                                 Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO9940788-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
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-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
            8888888888888
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Sequence 28 AA;

Check: 657 Type: P 2005 13:32 AAY31560 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLXIEFLKN

(from "segSags.pep") FOIG of: aay31561 check: 1045 from: 1 match found in sequence: aay31561 ; Exendin agonist peptide.

to: 28

AAY31561 standard; peptide; 28 AA 08-NOV-1999 (first entry) Exendin agonist peptide. AAY31561;

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-edlampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow

Heloderma sp. Synthetic

/note= "C-terminal amide" 'note= "tButylglycine" Location/Qualifiers Key Modified-site Modified-site

WO9940788-A1

19-AUG-1999

99WO-US002554. 05-FEB-1999;

98US-0075122P. 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Young AA, Vine W, Beeley NRA, Prickett K;

WPI; 1999-527332/44.

Example 60; Page 61; 94pp; English.

Increasing urine flow by administering peptides or peptide agonists.

The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renl failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing

comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing

Increasing urine flow by administering peptides or peptide agonists

Prickett K;

Beeley NRA,

Vine W,

Young AA,

WPI; 1999-527332/44.

(AMYL-) AMYLIN PHARM INC.

The invention relates to new methods of increasing urine flow that

Example 61; Page 62; 94pp; English

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rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AXX31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                  AAY31561 Length: 28 February 4, 2005 13:32 Type: P Check: 1045 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                           check: 237 from: 1
                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aay31562 ; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31562 check: 237 from
                                                                                                                                                                                                                                                                                                                                                                                                        AAY31562 standard; peptide; 28
                                                                                                                                                                                                                                                                  HGEGTFTSDLSKOMEEEAVRLFXEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nypertension, urine flow
                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Heloderma sp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
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8X8888

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility
excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide, agonists.
                                                                                                                                                                                                                                                         AAV31558 Length: 28 February 4, 2005 13:32 Type: P Check: 649 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prickett K;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aay31559 ; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31559 check: 211 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSELSKOMAEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    found in sequence:
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                                                                                                                                                                                     Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31559;
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comprises administering an exemdin or exemdin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an increasing unine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre
(congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAX31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin, agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to new methods of increasing urine flow that
                                                                                                                                                                Check: 211
                                                                                                                                                               AAY31559 Length: 28 February 4, 2005 13:32 Type: P ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                   28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'note= "Naphthyl alanine"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                  (from "seq5ags.pep")
FOIG of: aay31560 check: 657 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                     AAY31560 standard; peptide; 28 AA.
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                                                                                                                                                                                                                                      HGEGTFTSDGSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                               aay31560 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hypertension; urine flow
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                                                                                                                                                                                                                                                                                                             1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1999-527332/44
                                                                                                                               Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31560;
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     8888888
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excretion and godium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inctropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
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Sequence 28 AA;

8888888

AAY31556 Length: 28 February 4, 2005 13:32 Type: P Check: 693 Found using 'seq5' (mohamed337.key)

HGEGTPSSDLSKQMEBEAVRLFIEWLKN 1

check: 701 from: 1 match found in sequence: aay31557 ; Exendin agonist peptide. (from "seq5ags.pep") TOIG of: aay31557

to: 28

AAY31557 standard; peptide; 28 AA 08-NOV-1999 (first entry) Exendin agonist peptide. AAY31557;

Exendin; agonist; GLP-1; glucagon-1ike peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.

Synthetic

Heloderma sp

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO9940788-A1

19-AUG-1999

99WO-US002554 05-FEB-1999; 98US-0075122P 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Prickett K; Beeley NRA, Young AA, Vine W,

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists.

Example 56; Page 59; 94pp; English.

The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemis (renal failure, congestive heart failure, nephrotic syndrome, pulmonary rapid diuresis, preparing an individual for surgical procedure, treating or eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine

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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma filow; glomerular filtration rate; pre-eclampaia; eclampaia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
excretion and sodium excretion without increasing potassium loss, and are
         fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                           AAY31557 Length: 28 February 4, 2005 13:32 Type: P Check: 701 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                            (from "seq5ags.pep")
TOIG of: aay31558 check: 649 from: 1
                                                                                                                                                                                                                               AAY31558 standard; peptide; 28 AA.
                                                                                                                 |-----|
HGEGTFSTDLSKQMBEEAVRLFIEWLKN
1
                                                                                                                                                                       1 match found in sequence:
aay31558 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                     hypertension; urine flow
                                                                                                                                                                                                                                                                                                   Exendin agonist peptide.
                                                        Sequence 28 AA;
                                                                                                                                                                                                                                                                            08-NOV-1999
                                                                                                                                                                                                                                                      AAY31558;
888888
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exandin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, treating pre-increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine Increasing urine flow by administering peptides or peptide agonists. Example 57; Page 60; 94pp; English. WPI; 1999-527332/44

Prickett K;

Vine W, Beeley NRA,

Young AA,

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-FEB-1999;

19-AUG-1999.

13-FEB-1998;

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site Heloderma sp.

Synthetic

WO9940788-A1

seq5_ags.res

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 comprises administering an exendin or exendin agonist, or a GLP-1 comprises and comparing the peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, increasing or alleviating a disorder associated with toxic hypervolemia (renal failure, comprivate syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, treating precedure, action plasma flow and glomerular filtration rate, treating precedure conference or eclampsia or eclampsia or pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin, agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Increasing urine flow by administering peptides or peptide agonists.
                                                                                            Type: P Check: 4886
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                                                                                                                                                                                                                                                                                                      to: 28
                                                                                            AAY31554 Length: 30 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                          check: 369 from: 1
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                                                                                                                                                                                                                                                                                                                                                AAY31555 standard; peptide; 28 AA
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                                                                                                                                                                      HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                     aay31555 ; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31555 check: 369 from
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide
                                                                                                                                                                                                                                                   match found in sequence:
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                                                           Sequence 30 AA;
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Modified-site
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 comprises administering an exendin or exendin agonist, or a GLP-1 agonist. The new methods using an exendin, exendin gonist, GLP-1 or GLP-1 agonist are useful for correasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or sclampsia of pregnancy, and increasing a condition/elsonder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                     28 February 4, 2005 13:32 Type: P Check: 369 (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                       check: 693 from: 1
                                                                                                                                                                                                                                                                                                                                                                                             AAY31556 standard; peptide; 28 AA
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HGEGTXTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                match found in sequence:
aay31556, Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31556 check: 693 from
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                                                                                                                                           AAY31555 Length: 28
Found using 'seq5' (moh
                                                                                                    Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31556;
                                                                                                                                                                                                                                                                                                    1 match
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comprises administering an exendin or exendin agonist, or a GLP-1 comprises administering an exendin or exendin agonist, or a GLP-1 comprise comprises administering an exendin or the new methods using an exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, purposedure, capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precion recessing renal plasma flow and glomerular filtration rate, treating precion concessing renal plasma flow and glomerular filtration rate, treating precionsing renal plasma flow and glomerular filtration rate, treating precions action can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal (failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
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                                                                                                 Type: P Check: 333
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                                                                                                 AAY31552 Length: 36 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                            check: 7463 from: 1
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                                                                                                                                                                                                                                                                                                                                                                 AAY31553 standard; peptide; 35 AA
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                                                                                                                                                                                                                                                               match found in sequence:
aay3153; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31553 check: 7463 fro
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide.
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                                                           Sequence 36 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                           AAY31553;
                                                                                                                                                                                                                                                                 1 match
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for candin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia or greventing or alleviating a disorder associated with toxic hypervolemia or candidate, preparing an individual for surgical procedure, capid diuresis, preparing an individual for surgical procedure, confersing recamples of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility classerie heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic,
have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; dirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Increasing urine flow by administering peptides or peptide agonists
                                                                                          Check: 7463
                                                                                        Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Prickett K;
                                                                                                                                                                                                                                                                                                 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                        35 February 4, 2005 13:32 (mohamed337.key)
                                                                                                                                                |-----|
RGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGA
                                                                                                                                                                                                                                                                                               check: 4886 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kample 53; Page 58; 94pp; English.
                                                                                                                                                                                                                                                                                                                                    AAY31554 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Beeley NRA,
                                                                                                                                                                                                                                         . match found in sequence:
aay31554; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31554 check: 4886 fr
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                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Vine W,
                                                                                          AAY31553 Length: 35
                                                        Sequence 35 AA;
                                                                                                              Found using 'seq5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma sp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                         AAY31554;
                                                                                                                                                                                                                                           1 match
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seq5_ags.res

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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

increasing uthe flow, decreasing potassium concentration in urine,

frenal failure, congestive heart failure, nephrotic syndrome, pulmonary

cdema, dirrhosis, or hypertension). They can also be used for inducing

rapid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

celampsia or eclampsia of pregnancy, and increasing a condition/

celampsia or enlayering an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

celampsia or eclampsia of pregnancy, and increasing a condition/

disorder that can be alleviated by increasing a condition/

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art duretics, the new methods increase urine

carretion and sodium excretion without increasing pocassium loss, and are

carretion and sodium excretion without increasing pocassium loss, and are

fast acting. They have a prolonged duration of action, are incorropic,

have a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of prepagnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
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                                                           HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           __note= "hydroxyproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       'note= "hydroxyproline"
                                                                                                                                                                 aay31551; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31551 check: 3293 from: 1
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                                                                                                                                                                                                                                                     AAY31551 standard; peptide; 37 AA
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide.
                                                                                                                                                  1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
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comprises administering an exendin or exendin agonist, or a Gib-1.

Comprises administering an exendin or exendin agonist, or a Gib-1.

Comprises administering an exendin or exendin agonist. The new methods using an exendin, exendin agonist, Gib-1 or Gip-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, representing or alleviating a disorder associated with toxic hypervolemia preventing or alleviating a disorder associated with toxic hypervolemia concentration in urine, representing or alleviating a disorder associated with toxic hypervolemia concreasing or alleviating an individual for surgical procedure, rapid diureals, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedampsia or eclampsia of pregnancy, and increasing a condition, disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine exerction and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin, agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to new methods of increasing urine flow that
                                           AAV31551 Length: 37 February 4, 2005 13:32 Type: P Check: 3293 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                        to: 36
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                                                                                                                              HGEGTFTSDLSKOMEERAVRLFIEWLKNGGPSSGAPP
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                                                                                                                                                                                                                                                                        check: 333 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 51; Page 57; 94pp; English.
                                                                                                                                                                                                                                                                                                                 AAY31552 standard; peptide; 36 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            vine W, Beeley NRA,
                                                                                                                                                                                                                  . match found in sequence:
aay31552 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide.
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                                                                                                                                                                                                                                                       (from "seq5ags.pep"
TOIG of: aay31552
                Sequence 37 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                         AAY31552;
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28

found in sequence:

aay31550 match

aay31549

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hyperrolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating precedunces increasing or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing acardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine failure) and sodium excretion without increasing potassium loss, and are excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increosed. AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
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                                                                                                                      to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "N-methyl alanine"
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match found in sequence:
aay11549 ; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31549 check: 3541 from: 1
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                                                                                                                                                                                                   AAY31549 standard; peptide; 37 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide
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comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-11ke peptide) or GLP-1 agonist. The new methods using an exendin exendin agonist. The new methods using an exendin exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary cedema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precalmosia or preparancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure) unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are easily administered intravenously. Sequences have a low toxicity, and are easily administered intravenously. Sequences
                                                                                                                                                                                                            Exendin, agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contactility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "N-methyl alanine; C-terminal amide"
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                                    to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                 alanine"
                                                                                                                                                                                                                                                                                                                                                                                                              note= "N-methyl alanine"
ay31550; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31550 check: 4125 from: 1
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                                                                       AAY31550 standard; peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                               'note= "N-methyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Vine W, Beeley NRA,
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                                                                                                                                                                                                                                                                                      hypertension; urine flow
                                                                                                                                                                                 Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
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                                                                                                                                                                                                                                                                                                                       Synthetic
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                                                                                                            AAY31550;
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February 4, 2005 13:32 Type: P Check: 4125

AAY31550 Length: 37

Type: P Check: 3541

37 February 4, 2005 13:32 (mohamed337.key)

AAY31549 Length: 37 Found using 'seq5' (mo

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAPP

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The invention relates to new methods of increasing urine flow that

Comprises administering an exendin or exendin agonist, or a GLP-1
(glucagon-like peptide) or GLP-1 agonist. The new methods using an
exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for
increasing urine flow, decreasing potassium concentration in urine,
preventing or allevitating a disorder associated with toxic hypervolemia
(renal failure, congestive heart failure, nephrotic syndrome, pulmonary
edema, cirrhosis, preparing an individual for surgical procedure,
increasing renal plasma flow and glomerular filtration rate, treating pre-
colampsia or eclampsia of pregnancy, and increasing a condition/
disorder that can be alleviated by increasing cardiac contractility
(congestive heart failure, pulmonary edema, systemic edema or renal
failure). Unlike prior art diurelies, the new methods increase urine
excretion and sodium excretion without increasing potassium loss, and are
east acting. They have a prolonged duration of action, are increpto,
have a low toxicity, and are eastly administered intravenously. Sequences
AXY11505-560 represent examples of exendin agonists compounds
                                                               Exendin, agonist, GLP-1; glucagon-like peptide, toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                'note= "thioproline, C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Prickett K;
                                                                                                                                                                                                                                                                          'note= "thioproline"
                                                                                                                                                                                                                                                                                                           note= "thioproline"
                                                                                                                                                                                                                                                                                                                                              note= "thioproline'
                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 46; Page 54; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98US-0075122P
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                     Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 38 AA;
                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                                          Modified-site
                                                                                                                                                                                                                                                                                                                            Modified-site
                                                                                                                                                                                                                                                                                                                                                               Modified-site
                                                                                                                                                                                                   Heloderma sp.
 08-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                     WO9940788-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-AUG-1999.
                                                                                                                                                                                  Synthetic.
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Type: P Check: 7469 2005 13:32 AAY31547 Length: 38 February 4, Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXX

aay31548 ; Exendin agonist peptide.
{from "seq5ags.pep"} 1 match found in sequence:

to: 38 from: 1 TOIG of: aay31548 check: 7221

AAY31548 standard; peptide; 38 AA

AAY31548;

(first entry) 08-NOV-1999

Exendin agonist peptide.

Exendin; agonist; GLP-1; glucagon-11ke peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-clampsia; eclampsia of pregnancy; cardiarcatility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow

Synthetic

Heloderma sp.

note= "thioproline" Location/Qualifiers Key Modified-site

'note= "thioproline" Modified-site Modified-site

/note= "thioproline; C-terminal amide"

WO9940788-A1

19-AUG-1999.

99WO-US002554. 05-FEB-1999;

98US-0075122P. 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC

Vine W, Beeley NRA, Young AA,

Prickett K;

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists

Comparises administering an exendin or examination that the interior transfer of the interior The invention relates to new methods of increasing urine flow that Example 47; Page 55; 94pp; English.

Sequence 38 AA;

Check: 7221 548 Length: 38 February 4, 2005 13:32 Type: Pusing '8eq5' (mohamed337.key) Found

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX

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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 45; Page 54; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                        hypertension; urine flow
                               Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-527332/44
                                                                                                                                                                                                Key
Modified-site
                                                                                                                                                                    Heloderma sp.
                                                                                                                                                                                                                                                           WO9940788-A1
                                                                                                                                                                                                                                                                                                                       05-FEB-1999;
   08-NOV-1999
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                                                                                                                                                                                                                                                                                         19-AUG-1999,
                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA,
 The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filltration rate, treating pre-eclampsia or eclampsia of pregrancy, and increasing a condition/disorder that can be alleviated by increasing contractility
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (congestive heart failure, pulmonary edema, gystemic edema or renai
failure). Unlike prior art diuretics, the new methods increase urine
excretion and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                          Exendin; agonist; GLP-1; glucagon-1ike peptide; toxic hypervolemia; diuresis; renal plasma filow; glomerular filtration rate; pre-edlampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31545 Length: 29 February 4, 2005 13:32 Type: P Check: 2759 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                Prickett K;
                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 44; Page 53; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                       99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                     98US-0075122P
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                     hypertension; urine flow
                              Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 29 AA;
                                                                                                                                                                                                             Modified-site
                                                                                                                                                                    Heloderma sp
                                                                                                                                                                                                                                                                                                                       05-PEB-1999;
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                                                                                                                                                                                                                                                                                         19-AUG-1999
                                                                                                                                                    Synthetic
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Prickett K;

Vine W, Beeley NRA,

99WO-US002554. 98US-0075122P.

/note= "C-terminal amide"

Location/Qualifiers

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The invention relates to new methods of increasing urine flow that comprises administering an exendin agonist, or a Gib-1 (glucagon-like peptide) or GiP-1 agonist. The new methods using an exendin, exendin agonist, Gib-1 agonist. The new methods using an exendin, exendin agonist, Gib-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hyperolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of preparancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                              pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     intravenously. Sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Seque AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY31546 Length: 29 February 4, 2005 13:32 Type: P Check: 2320 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY31547 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKOLEBEAVRLFIEFLKNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 29 AA;
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to: 29

check: 2320 from: 1

match found in sequence: aay31546, Exendin agonist peptide. (from "seq5ags.pep") TOIG of: aay31546 check: 2320 fr

HGEGT PTSDLSKQMEBEAVRL PI EWLKNG

AAY31546 standard; peptide; 29 AA

AAY31546;

BXXX

```
Exendin agonist peptide.
08-NOV-1999
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-11ke peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for candin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolenia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating preclampsia or eclampsia of pregnancy, and increasing a condition/ increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine failure) and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                  Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia, diuresis, renal plasma flow; glomerular filtration rate, pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                        Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31543 Length: 31 February 4, 2005 13:32 Type: P Check: 6930 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                   Prickett K;
                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 42; Page 52; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
                                                                                                                                                                                                                                                                                                                                                                   Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aay31544 ; Exendin agonist peptide.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                  99WO-US002554.
                                                                                                                                                                                                                                                                                                             98US-0075122P.
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                         hypertension; urine flow
                            Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 31 AA;
                                                                                                                                                                             Key
Modified-site
                                                                                                                                                  Heloderma sp.
                                                                                                                                                                                                                                                                                     05-FEB-1999;
                                                                                                                                                                                                                                 WO9940788-A1
                                                                                                                                                                                                                                                                                                               13-FEB-1998;
                                                                                                                                                                                                                                                          19-AUG-1999
                                                                                                                                    Synthetic
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to: 30

check: 4450 from: 1

TOIG of: aay31544

AAY31544 standard; peptide; 30 AA.

AAY31544;

SXXX

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comprises administering an exemblion or examination of the comprises administering an exemblion or exemblion agonist, GLP-1 agonist. The new methods using an exemblion exemblin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (frenal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampais or eclampsia of pregnancy, and increasing a condition/
cincreasing renal plasma flow and glomerular filtration rate, treating preclampsia or eclampsia of pregnancy, and increasing a condition/
clisorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal callure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma filow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31544 Length: 30 February 4, 2005 13:32 Type: P Check: 4450 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prickett K;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 43; Page 52-53; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . match found in sequence:
aay311545; Exendin agonist peptide.
(from "seq5ags.pep;
TOIG of: aay31545 check: 2759 from: 1
                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31545 standard; peptide; 29 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKOLEEEAVRLFIEFLKNGG
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                                                                                                                                                                     hypertension, urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-527332/44
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                                                                                                                                                                                                                                                                                                                                                                                Key
Modified-site
                                                                                                                                                                                                                                                                                               Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-FEB-1998;
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                                                                                                                                                                                                                                                         Synthetic.
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Fri Feb

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site Heloderma sp

Synthetic

WO9940788-A1

08-NOV-1999 (first entry)

Exendin agonist peptide.

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comprises administering an examedian or exendin agonist, or a GLD-In comprises administering an examedian or exendin agonist, or a GLD-In agonist. The new methods using an exendin, exendin agonist, GLD-In agonist. The new methods using an increasing united flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal fallure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or celampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                                    Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         invention relates to new methods of increasing urine flow that
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Prickett K;
                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 40; Page 51; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA, Vine W, Beeley NRA,
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08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                          Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 32 AA;
                                                                                                                                                                                                                                                                    Key
Modified-site
                                                                                                                                                                                                                           Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                  05-PEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                   WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                         19-AUG-1999
                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The
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Increasing urine flow by administering peptides or peptide agonists.

Example 41; Page 51; 94pp; English.

×

Prickett

Vine W, Beeley NRA,

Young AA,

WPI; 1999-527332/44.

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-PEB-1999;

19-AUG-1999.

13-FEB-1998;

The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diluresis, preparing an individual for surgical procedure, treating nincreasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/eclampsia or an be alleviated by increasing earlier contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are induropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds AAY31542 Length: 31 February 4, 2005 13:32 Type: P Check: 7369 Found using 'seq5' (mohamed337.key) to: 31 1 match found in sequence:
aay31543; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31543 check: 6930 from: 1 AAY31543 standard; peptide; 31 AA. HGEGIFTSDLSKQMEEEAVRLFIEWLKNGGP Sequence 31 AA; BXXX

AAY31543

to: 31

check: 7369 from: 1

match found in sequence: aay31542, Exendin agonist peptide. (from "seq5ags.pep") TOIG of: aay31542 check: 7369 fr

AAY31542 standard; peptide; 31 AA

AAY31542;

SKKH

HGEGTFTSDLSKOLEERAVRLFIEFLKNGGPS

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Exendin; agonist; GLP-1; glucagon-11ke peptide; toxic hypervolemia; diuresis; renal plasma filow; glomeniar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                    hypertension; urine flow
                             Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-527332/44.
                                                                                                                                                                                                 Key
Modified-site
                                                                                                                                                                   Heloderma sp.
                                                                                                                                                                                                                                                                                                                     05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                   13-FEB-1998;
 08-NOV-1999
                                                                                                                                                                                                                                                          WO9940788-A1
                                                                                                                                                                                                                                                                                        19-AUG-1999,
                                                                                                                                                                                                                                                                                                                                                                                                              Young AA,
                                                                                                                                                    Synthetic.
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an concreasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular fillration rate, treating pre-eclampsia or eclampsia of prepancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and godium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                     Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregenancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31539 Length: 33 February 4, 2005 13:32 Type: P Check: 2325 Found using 'seq5' (mchamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                              Prickett K;
                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 38; Page 50; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                      99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                    98US-0075122P.
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                             Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 33 AA;
                                                                                                                                                                                                   Key
Modified-site
                                                                                                                                                                  Heloderma sp
                                                                                                                                                                                                                                                                                                                        05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                      13-FEB-1998;
                                                                                                                                                                                                                                                            WO9940788-A1
                                                                                                                                                                                                                                                                                          19-AUG-1999.
                                                                                                                                                    Synthetic
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Prickett K;

Vine W, Beeley NRA,

99WO-US002554. 98US-0075122P.

/note= "C-terminal amide"

Location/Qualifiers

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuncasis, preparing an individual for surgical procedure, treating nincreasing an individual failure and increasing a condition rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31540 Length: 32 February 4, 2005 13:32 Type: P Check: 25 Found using 'seq5' (mohamed337.key)
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Example 39; Page 50; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31541 standard; peptide; 32 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
aay31541 ; Exendin agonist peptide.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 32 AA;
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to: 32

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AAY31540 standard; peptide; 32

AAY31540,

SXXX

check: 25 from: 1

aay31540; Exendin agonist peptide. (from "seq5ags.pep")
TOIG of: aay31540 check: 25 from

match found in sequence:

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS

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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Increasing urine flow by administering peptides or peptide agonists.
                           Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-527332/44.
                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                             Heloderma sp
                                                                                                                                                                                                                                                     WO9940788-A1
                                                                                                                                                                                                                                                                                                               05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                           13-FEB-1998;
08-NOV-1999
                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                      Young AA,
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition eclampsia or pregnancy, and increasing a condition disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                         Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; caractistic rate; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31537 Length: 34 February 4, 2005 13:32 Type: P Check: 4739 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                       Prickett K;
                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 36; Page 49; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                       Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                99WO-US002554.
                                                                                                                                                                                                                                                                                                                                              98US-0075122P
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                   hypertension; urine flow
                             Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 34 AA;
                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                Heloderma sp
                                                                                                                                                                                                                                                                                                                05-FEB-1999;
                                                                                                                                                                                                                                                       WO9940788-A1
                                                                                                                                                                                                                                                                                                                                              13-PEB-1998;
                                                                                                                                                                                                                                                                                   19-AUG-1999
                                                                                                                                                Synthetic.
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Prickett K;

Beeley NRA,

Vine W,

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

19-AUG-1999.

/notes "C-terminal amide"

Location/Qualifiers

```
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exending or GLP-1 agonist. The new methods using an exendin, exending a clarifing a disorder associated with toxic hyperrolemia (congestive heart failure, respitation in urine, congestive heart failure, capid diuresis, or hypertension). They can also be used for inducing capid duresis, preparing an individual for surgical procedure, capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precentagoner that can be alleviated by increasing a condition/ clasorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are excreting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists componeds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31538 Length: 33 February 4, 2005 13:32 Type: P Check: 2764 Found using 'seq5' (mohamed337.key)
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aay31539 ; Exemin agonist peptide.
(from seq5ags.pep)
TOIG of: aay31539 check: 2325 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS
Example 37; Page 49; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31539 standard, peptide; 33 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 33 AA;
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to: 33

match found in sequence:
aay31538; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31538 check: 2764 from: 1

AAY31538 standard; peptide; 33 AA.

a XXX

AAY31538;

|-----| HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG

OB-NOV-1999 (first entry)

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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

cran alleviating a disorder associated with toxic hypervolenia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

cdema, cirrhosis, or hypertension). They can also be used for inducing

rapid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

calampsia or eclampsia of pregnancy, and increasing a condition/

clasorder that can be alleviated by increasing a condition/

clasorder that can be alleviated by increasing oardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

catching. They have a prolonged duration of action, are increopic,

fast acting. They have a prolonged duration of action, are increopic,

have a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds
                                                                     Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prickett K;
                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 34; Page 48; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                   99WO-US002554.
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08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                         Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 35 AA;
                                                                                                                                                                                                                                                                       Key
Modified-site
                                                                                                                                                                                                                              Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                     05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-FEB-1998;
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                                                                                                                                                                                                                                                                                                                                                                                              19-AUG-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA,
                                                                                                                                                                                                           Synthetic
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AAY31535 Length: 35 February 4, 2005 13:32 Type: P Check: 7014 Found using 'seq5' (mohamed337.key)
                                                                                                                                          HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGA
```

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to: 34
                                                        check: 5178 from: 1
            aay31536; Exendin agonist peptide. (from "seq5ags.pep")
TOIG of: aay31536 check: 5178 fro
match found in sequence:
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AAY31536 standard; peptide; 34 AA
  SXXX
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AAY31536;

to: 34

check: 4739 from: 1

(from "seq5ags.pep" TOIG of: aay31537

match found in sequence: aay31537 ; Exendin agonist peptide.

AAY31537 standard; peptide; 34 AA.

AAY31537;

HXXX

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSG

```
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 comprises administering an exendin or exendin agonist, or a GLP-1 cglucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist are useful for comparing urine flow, decreasing potessium concentration in urine, increasing urine flow, decreasing potessium concentration in urine, crownerting or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edemm, cirrhosis, or hypertension). They can also be used for inducing crapid duriesis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precelaments in the condition of a condition, congestive heart failure, pulmonary edemma, systemic edema or renal congestive heart failure, pulmonary edemma, systemic edema or renal callure procession without increasing potessium loss, and excretion and sodium excretion without increasing potessium loss, and are contracting. They have a prolonged duration of action, are increopic, and have a low toxicity, and are excretion, are increopic, and have a low toxicity, and are easily administered intravenously. Sequences
                                                                         Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY31536 Length: 34 February 4, 2005 13:32 Type: P Check: 5178 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Prickett K;
                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 35; Page 48; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                     99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98US-0075122P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                hypertension; urine flow
                                           Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 34 AA;
                                                                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                       05-FEB-1999;
                                                                                                                                                                                                                                Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                19-AUG-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Young AA,
                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Found
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Fri Feb

(first entry)

08-NOV-1999

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The invention relates to new methods of increasing uine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or allevidating a disorder associated with toxic hypervolemia (renal failure, congestive heart saliure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing crapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diurecies, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                                                                                 Exendin; agonist; GLP-1; glucagon-11ke peptide; toxic hypervolemia; dluresls; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31533 Length: 36 February 4, 2005 13:32 Type: P Check: 9894 Found using '8eq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to: 35
                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |-----HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 7453 from: 1
                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 32; Page 47; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31534 standard; peptide; 35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aay31534 ; Exendin agonist peptide. (from "seq5ags.pep")
TOIG of: aay31534 check: 7453 from
                                                                                                                                                                                                                                                                                                                                                                                                                                         99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  98US-0075122P
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                   hypertension; urine flow
                                           Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 36 AA;
                                                                                                                                                                                                                                                                         Key
Modified-site
                                                                                                                                                                                                                                Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                      05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                         WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-PEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                19-AUG-1999
                                                                                                                                                                                                          Synthetic
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AAY31534;

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The Inventor Library of the wear of the comparison of the Library of the Inventor of Library of the Comparison of the Library of the Comparison of the Compa
                                                                                                           Exendin; agonist; GLP-1; glucagon-11ke peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contactility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31534 Length: 35 February 4, 2005 13:32 Type: P Check: 7453 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prickett K;
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                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
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    aay31535 ; Exendin agonist peptide.
    (from "seq5ags.pep")
    TOG of: aay31535 check: 7014 from: 1
                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 33; Page 47; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY31535 standard; peptide; 35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98US-0075122P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                         hypertension; urine flow
                                                         Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
                                                                                                                                                                                                                                                                             Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-AUG-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31535;
axxx
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Exendin; agonist; GLP-1; glucagon-11ke peptide; toxic hypervolemia; dlucesis; renal plasma flow; glomenular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow.

Synthetic.

(first entry)

08-NOV-1999

Exendin agonist peptide.

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site Heloderma sp.

WO9940788-A1

toxic hypervolemia;

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 agonist. The new methods using an exendin exendin agonist. GLP-1 agonist. The new methods using an candin, exendin agonist, GLP-1 agonist. The new methods using an candin, exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or allevitating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, rapid diureals, preparing an individual for surgical procedure, colampsia or calampsia of pregnancy, and increasing a condition/diocoder that can be allevitated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are easily administered intravenously. Sequences have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                              Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31531 Length: 37 February 4, 2005 13:32 Type: P Check: 2854 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA, Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 30; Page 46; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                   99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98US-0075122P.
    08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                 hypertension; urine flow
                                            Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 37 AA;
                                                                                                                                                                                                                                                                          Key
Modified-site
                                                                                                                                                                                                                             Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                   05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                      WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-FEB-1998;
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                                                                                                                                                                                                          Synthetic
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Increasing urine flow by administering peptides or peptide agonists.

Prickett K;

Young AA, Vine W, Beeley NRA,

WPI; 1999-527332/44.

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-FEB-1999;

19-AUG-1999.

13-FEB-1998;

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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

comprises administering an exendin or exendin agonist, or a GLP-1

comprises administering and GLP-1 agonist. The new methods using an

exendin exendin agonist, GLP-1 or GLP-1 agonist are useful for

exendin exendin for GLP-1 agonist. The nurine,

increasing urine flow, decreasing potassium concentration in urine,

creal failure, congestive heart failure, nephrotic syndrome, pulmonary

creal failure, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

clampsia or eclampsia of pregnancy, and increasing a condition/

clasorder that can be alleviated by increasing acidiac contractility

clasorder that can be alleviated by increasing acidiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing possessum loss, and are

cast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences

ANY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1532 Length: 36 February 4, 2005 13:32 Type: P. Check: 333
using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (from "seq5ags.pep")
TOIG of: aay31533 check: 9894 from: 1
Example 31; Page 46; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31533 standard; peptide; 36 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aay31533 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 36 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31533;
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to: 36

check: 333 from: 1

aay31532; Exendin agonist peptide. (from "seq5ags.psp")
TOIG of: aay31532 check: 333 from

1 match found in sequence:

AAY31532 standard; peptide; 36 AA

AAY31532;

SXXX

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.

(first entry)

08-NOV-1999

Exendin agonist peptide.

/note= "C-terminal amide"

Location/Qualifiers

Modified-site

WO9940788-A1

19-AUG-1999.

Heloderma sp

Synthetic.

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comperies administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia creasing urine flow, decreasing of the concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia creasing canal failure, congestive heart failure, nephrotic syndroms, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerluar filtration rate, treating precedampsia or eclampsia of pregnancy, and increasing contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure) unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY1505-560 represent examples of exendin agonists compounds
                                                      Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31529 Length: 38 Pebruary 4, 2005 13:32 Type: P Check: 5894 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                   Prickett K;
                                                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 28; Page 45; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                   Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                 99WO-US002554.
                                                                                                                                                                                                                                                                                                                             98US-0075122P.
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                             hypertension; urine flow
                            Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 38 AA;
                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                         Heloderma sp.
                                                                                                                                                                                                                                                                                                 05-FEB-1999;
                                                                                                                                                                                                                                          WO9940788-A1
                                                                                                                                                                                                                                                                                                                             13-FEB-1998;
                                                                                                                                                                                                                                                                      19-AUG-1999
                                                                                                                                          Synthetic
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Increasing urine flow by administering peptides or peptide agonists

Example 29; Page 45; 94pp; English.

Prickett K;

Vine W, Beeley NRA,

Young AA,

WPI; 1999-527332/44.

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-PEB-1999;

13-FEB-1998;

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The invention relates to new methods of increasing urine flow that comparises administering an exendin or examdin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist. The new methods using an exendin, exendin agonist. GLP-1 agonist. The new methods using an comparison-like peptide) or GLP-1 agonist. The new methods untine, increasing urine flow, decreasing poctassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia or increasing urine, plantonic syndrome, pulmonary edema, dirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing acondition/ congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary edema, systemic edema or renal congestive heart failure, pulmonary and are easily administered intravenously. Sequence 37 AA;

AAY31505-E60 represent examples of exendin agonists compounds systemic edems or renal edem or systemic edems or renal examples of exendin agonist peptide.

[from "seg5ags.pp"]

The AAY31531 standard; peptide; 37 AA.

AAY31531;

AAY315
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to: 37

. match found in sequence:
aay31530; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31530 check: 3293 from: 1

AAY31530 standard; peptide; 37 AA

AAY31530

HXXX

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

Synthetic.

(first entry)

08-NOV-1999

Exendin agonist peptide.

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site Heloderma sp

WO9940788-A1

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic bypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma.flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAV31505-560 represent examples of exendin agonists compounds
                                                                        Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31527 Length: 28 February 4, 2005 13:32 Type: P Check: 9897 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Prickett K;
                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 26; Page 43; 94pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                        99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                98US-0075122P.
  08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                          hypertension, urine flow
                                         Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
                                                                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                          Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                          05-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                             WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                     19-AUG-1999.
                                                                                                                                                                                                      Synthetic
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Increasing urine flow by administering peptides or peptide agonists.

Example 27; Page 44; 94pp; English.

Prickett K;

Young AA, Vine W, Beeley NRA,

WPI; 1999-527332/44.

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-FEB-1999; 13-FEB-1998;

19-AUG-1999.

```
The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

comprises administering an exendin or exendin agonist, or a GLP-1

comprises administering an GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

exendin, exending a disorder associated with toxic hypervolemia

creasing urine flow, decreasing potassium concentration in urine,

creading an alleviating a disorder associated with toxic hypervolemia

creading cirrhosis, or hypertension). They can also be used for inducing

capid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

clampsia or eclampsia of pregnancy, and increasing a condition/

disorder that can be alleviated by increasing actdiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing pocassium loss, and are

fast acting. They have a prolonged duration of action, are indured;

have a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Check: 6333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1528 Length: 38 February 4, 2005 13:32 Type: Pusing 'seq5' (mohamed337.key)
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HGEGTPTSDLSKQMBBEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . match found in sequence:
aay11529; Exemin agonist peptide.
(from "seq5ags.pept")
TOIG of: aay31529 check: 5894 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31529 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31529;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY31528
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to: 38

check: 6333 from: 1

match found in sequence: aay31528 ; Exendin agonist peptide. (from "seq5ags.pep") TOIG of: aay31528 check: 6333 fr

HGEGTFTSDLSKQLEEEAVRLFIEFLKA

AAY31528 standard; peptide; 38 AA

AAY31528;

SXXX

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma filow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

(first entry)

08-NOV-1999

Exendin agonist peptide.

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site

WO9940788-A1

19-AUG-1999

Synthetic. Heloderma sp.

```
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diurefics, the new methods increase urine excretion and godium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                                          Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dlucesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiarcatility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prickett K;
                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 24; Page 42; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                  99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       98US-0075122P.
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                      hypertension, urine flow
                                       Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                          Modified-site
                                                                                                                                                                                                                      Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                    05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                     WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                          19-AUG-1999
                                                                                                                                                                                               Synthetic
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Increasing urine flow by administering peptides or peptide agonists

Example 25; Page 43; 94pp; English.

Prickett K;

Vine W, Beeley NRA,

Young AA,

WPI; 1999-527332/44.

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-FEB-1999;

13-FEB-1998;

```
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, examine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, corpositive heart failure, nephrotic syndrome, pulmonary cemal failure, congestive heart failure, They can also be used for inducing confirmation rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedure that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are easily administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31526 Length: 28 February 4, 2005 13:32 Type: P Check: 9991
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
    aay31527 ; Exendin agonist peptide.
    (from "seq5ags.pep")
    TOG of: aay31527 check: 9897 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31527 standard; peptide; 28 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 28 AA;
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AAY31525 Length: 28 February 4, 2005 13:32 Type: P Check: 9975 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFAKN

to: 28

check: 9991 from: 1

1 match found in sequence:
 aay31526 ; Exendin agonist peptide.
 (from "seq5ags.pep")
 TOIG of: aay31526 check: 9991 fr

AAY31526 standard; peptide; 28 AA.

AAY31526;

SXXX

```
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia preventing or alleviating a disorder associated with toxic hypervolemia preventing or alleviating a disorder is especially properties, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, clampsia or calampsia of pregnancy, and increasing a condition/clampsia or eclampsia of pregnancy, and increasing a condition/clampsia or elampsia of pregnancy, and increasing candia contractility disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine failure, have a methods increasing prediction and sodium excretion without increasing prediction and sodium excretion without increasing prediction increasing cardiac and are increased or entally the state of the prior art diuretics, the new methods increase urine failure).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAV31505-560 represent examples of exendin agonists compounds
                                                               Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ncreasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prickett K;
                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 22; Page 41; 94pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      98US-0075122P
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                           Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                                                                                          Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                         WO9940788-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA,
                                                                                                                                                                                                                     Synthetic
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2005 13:32 Type: P Check: 165 Length: 28 February 4, g 'seg5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIAFLKN

Found using 'seq5

check: 136 from: 1 match found in sequence: aay31524 ; Exendin agonist peptide.

AAY31524 standard; peptide; 28 AA. SXXX

AAY31524;

to: 28 n "seq5ags.pep" of: aay31524 o

08-NOV-1999 (first entry)

Exendin agonist peptide

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow

Synthetic

Heloderma sp.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO9940788-A1

19-AUG-1999.

99WO-US002554. 05-FEB-1999;

13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Prickett K; Vine W, Beeley NRA, Young AA,

WPI; 1999-527332/44

Increasing urine flow by administering peptides or peptide agonists.

Example 23; Page 42; 94pp; English

The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 comprises administering an exendin or exendin agonist. The new methods using an exendin agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an urine, increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia ("renal failure, congestive heart failure, nephrotic syndrome, pulmonary came, dirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preceduance that can be alleviated by increasing a condition/ elasorder that can be alleviated by increasing acidiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal caloure, unlike prior art diuretics, the new methods increase urine failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing or excretion and sodium excretion without increasing or elancing. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences and alleviate art examples of exendin agonists compounds

Sequence 28 AA;

Check: 136 Type: P 2005 13:32 AAY31524 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEALKN

to: 28 check: 9975 from: 1 aay31525; Exendin agonist peptide. (from "seq5ags.pep")
TOIG of: aay31525 check: 9975 fr match found in sequence:

AAY31525 standard; peptide; 28 AA.

AAY31525;

08-NOV-1999

```
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin acreasing proteasing more are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolenia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampsia or calampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diurencies, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are eaching. They have a prolonged duration of action, are inotropic, have a low toxicity, and are eachly administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                           Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomentlar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Beeley NRA, Prickett K;
                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 20; Page 40; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                             99WO-US002554.
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08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                            hypertension; urine flow
                                        Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AA, Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
                                                                                                                                                                                                                                                               Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                           05-PEB-1999;
                                                                                                                                                                                                                         Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-FEB-1998;
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                                                                                                                                                                                                      Synthetic.
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AAY31521 Length: 28 February 4, 2005 13:32 Type: P Check: 9921 Found using 'seq5' (mohamed337.key)
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HGEGTFTSDLSKQLEEEAVALFIEFLKN

to: 28 check: 30 from: 1 match found in sequence: aay31522 ; Exendin agonist peptide. (from "seq5ags.pep") TOIG of: aay31522 check: 30 from

to: 28

1 match found in sequence:
 aay31523 ; Exendin agonist peptide.
 (from "seq5ags.pep")
 TOIG of: aay31523 check: 165 from: 1

HGEGTFTSDLSKQLEEEAVRAFIEFLKN

AAY31523 standard; peptide; 28 AA.

AAY31523;

BXXX

AAY31522 standard; peptide; 28 AA AAY31522 SXXX

```
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, concentration or alleviating a disorder associated with toxic hyperrolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing concreasing renal plasma flow and glomerular filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing acaddiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are incircopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists componeds
                                                                           Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregenancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31522 Length: 28 February 4, 2005 13:32 Type: P Check: 30 Found using '8eq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Prickett K;
                                                                                                                                                                                                                                                                                                                 /note= "C-terminal amide"
                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 21; Page 41; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                               99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                       Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
                                                                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                           Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                              WO9940788-A1
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                                                                                                                                                                                                                                                                                                                                                                                                     19-AUG-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA,
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Exendin; agonist; GLP-1; glucagon-11ke peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

08-NOV-1999 (first entry)

Exendin agonist peptide:

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site

Heloderma sp

Synthetic.

W09940788-A1

```
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for candin, exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, or Large and alsorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plaama flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diurecies, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are eaching they have a prolonged duration of action, are increosed chave a low toxicity, and are eachly administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                          diuresis, renal plasma flow, glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Increasing urine flow by administering peptides or peptide agonists.
                                                                             agonist; GLP-1; glucagon-like peptide; toxic hypervolemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31519 Length: 28 February 4, 2005 13:32 Type: P Check: 193
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 18; Page 39; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                 99WO-US002554
                                                                                                                                                                                                                                                                                                                                                                                                                                                        98US-0075122P
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                        Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA, Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
                                                                                                                                                                                                                                                           Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                   05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-FEB-1998;
                                                                                                                                                                                                                       Heloderma sp
                                                                                                                                                                                                                                                                                                                                       WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                            19-AUG-1999.
                                                                                                                                                                                                Synthetic.
                                                                             Exendin;
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Increasing urine flow by administering peptides or peptide agonists

Example 19; Page 40; 94pp; English.

Prickett K;

Vine W, Beeley NRA,

Young AA,

WPI; 1999-527332/44

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P

05-FEB-1999; 13-FEB-1998;

19-AUG-1999.

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comprises administrating an exendin or exendin agonist, or a Gib-1 central form.

(glucagon-like peptide) or Gib-1 agonist. The new methods using an exendin, exendin gonist, Gib-1 or Gib-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY31520 Length: 28 February 4, 2005 13:32 Type: P Check: 9862 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               check: 9921 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31521 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aay31521 ; Exendin agonist peptide.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |------|
HGEGTFTSDLSKQLEEBAARLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOIG of: aay31521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY31521;
SXXX
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to: 28

check: 9862 from: 1

aay31520 ; Exendin agonist peptide. (from "seq5ags.pep") TOIG of: aay31520 check: 9862 from

match found in sequence:

HGEGTFTSDLSKOLEEAAVRLFIEFLKN

AAY31520 standard; peptide; 28 AA

AAY31520;

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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                 invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                    Young AA, Vine W, Beeley NRA, Prickett K;
                                                                                                                                                /note= "C-terminal amide"
                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                               Example 16; Page 38; 94pp; English.
                                                                                                                                                                                                          99WO-US002554.
                                                                                                                                                                                                                              98US-0075122P.
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                            hypertension; urine flow
                   Exendin agonist peptide.
                                                                                                                                                                                                                                                                                       WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
                                                                                                                              Key
Modified-site
                                                                                                          Heloderma sp
                                                                                                                                                                   WO9940788-A1
                                                                                                                                                                                                          05-PEB-1999;
                                                                                                                                                                                                                             13-FEB-1998;
                                                                                                                                                                                       19-AUG-1999
                                                                                                 Synthetic
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comprises administering an examin or examin agonist, or a GLD-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing untreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing acrdiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase utine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inctropic, have a low toxicity, and are easily administered intravenously. Sequences AAV31505-560 represent examples of exendin agonists compounds

AAY31517 Length: 28 February 4, 2005 13:32 Type: P Check: 201 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQLAERAVRLFIEFLKN

to: 28 match found in sequence:
aay31518; Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31518 check: 197 from: 1

AAY31518 standard; peptide; 28 AA AAY31518;

(first entry) 08-NOV-1999

Exendin agonist peptide.

Exendin; agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.

Synthetic.

Heloderma sp.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO9940788-A1

19-AUG-1999

99WO-US002554. 05-FEB-1999; 98US-0075122P.

13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Prickett K; Vine W, Beeley NRA, Young AA,

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists.

Example 17; Page 39; 94pp; English.

comprises administering an exendin or exendin agonist, or a Gib-1 caccomprises administering an exendin or exendin agonist, or a Gib-1 comprises administering an exendin or exendin agonist. The new methods using an increasing urine flow, decreasing potessium concentration in urine, increasing urine flow, decreasing potessium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, agstemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast tring. They have a prolonged duration of action, are increpted have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds The invention relates to new methods of increasing urine flow that

Sequence 28 AA;

AAY31518 Length: 28 Pebruary 4, 2005 13:32 Type: P Check: 197 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEAEAVRLFIEFLKN

1 match found in sequence:
ay11519; Exendin agonist peptide.
ay21519; Bag5ags.pep")
rTOIG of: aay31519 check: 193 from: 1

AAY31519 standard; peptide; 28 AA.

to: 28

SXXX

AAY31519;

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

Synthetic

/note= "C-terminal amide" Location/Qualifiers

Key Modified-site Heloderma sp.

WO9940788-A1

08-NOV-1999 (first entry)

Exendin agonist peptide.

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin, exendin agonist. GLP-1 agonist are useful for careasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia or capid diuresis, preparing an individual for surgical procedure, rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedangesis or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure, pulmonary edema, systemic edema or renal callure prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                                  Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prickett K;
                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 14; Page 37; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                      99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           98US-0075122P
08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                     Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
                                                                                                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                                        Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                      05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                         WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                19-AUG-1999.
                                                                                                                                                                                                 Synthetic
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Increasing urine flow by administering peptides or peptide agonists

Example 15; Page 38; 94pp; English

Prickett K;

Vine W, Beeley NRA,

Young AA,

WPI; 1999-527332/44

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-FEB-1999; 13-FEB-1998;

19-AUG-1999.

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diureties, the new methods increase urine excretion and sodium excretion without increasing potassium and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Check: 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         L516 Length: 28 February 4, 2005 13:32
using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31517 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aay31517, Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31517 check: 201 from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKOAEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Found
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AAY31515 Length: 28 February 4, 2005 13:32 Type: P Check: 53 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKALEEEAVRLFIEFLKN

AAY31517;

to: 28

check: 107 from: 1

aay31516; Exendin agonist peptide. (from "seq5ags.psp")
TOIG of: aay31516 check: 107 from

1 match found in sequence:

AAY31516 standard; peptide; 28 AA

AAY31516;

SAXE

08-NOV-1999

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comprises administering an examin or exemin agonist. or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            fast acting. They have a prolonged duration of action, are inctropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              excretion and sodium excretion without increasing potassium loss, and are
                                                                        Exendin; agonist; GLP-1; glucagon-11ke peptide; toxic hypervolemia; duresis; renal plasma flow; glomentlar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Beeley NRA, Prickett K,
                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 12; Page 36; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                              99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                   98US-0075122P
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                     Exendin agonist peptide.
                                                                                                                                                hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA, Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
                                                                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                        Heloderma sp
                                                                                                                                                                                                                                                                                                                     WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                              05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                   13-PEB-1998;
08-NOV-1999
                                                                                                                                                                                                                                                                                                                                                           19-AUG-1999
                                                                                                                                                                                         Synthetic.
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AAY31513 Length: 28 February 4, 2005 13:32 Type: P Check: 63 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLAKQLEEEAVRLFIEFLKN

check: 141 from: 1 match found in sequence:
aay31514 ; Bxendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31514 check: 141 fro

to: 28

2

AAY31514 standard; peptide; 28

AAY31514;

SXXX

AAY31515;

comprises administering an extendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia frenal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirthosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardinactility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; Increasing urine flow by administering peptides or peptide agonists invention relates to new methods of increasing urine flow that AAY31514 Length: 28 February 4, 2005 13:32 Type: P Check: 141 ound using 'seq5' (mohamed337.key) Prickett K; to: 28 /note= "C-terminal amide" Location/Qualifiers Example 13; Page 37; 94pp; English check: 53 from: 1 Ź Vine W, Beeley NRA, 1 match found in sequence:
awy31515, Exemdin agonist peptide.
(from "seq5ags.pep")
:TOIG Of: awy31515 check: 53 from: AAY31515 standard; peptide; 28 |-----HGEGTFTSDLSAQLEEEAVRLFIEFLKN 99WO-US002554. 98US-0075122P. (AMYL-) AMYLIN PHARM INC Exendin agonist peptide. hypertension; urine flow WPI; 1999-527332/44 Sequence 28 AA; Key Modified-site Found using 'seq5' Heloderma sp WO9940788-A1 05-PEB-1999; 13-FEB-1998; 19-AUG-1999. Synthetic. Young AA, axxx

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhostis; hypertension; urine flow.

/note= "C-terminal amide" Location/Qualifiers

Key Modified-site Heloderma sp.

Synthetic.

W09940788-A1 19-AUG-1999.

Fri Feb

08-NOV-1999 (first entry)

Exendin agonist peptide.

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal callure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increasing.
                                                                              Exendin, agonist, GLP-1; glucagon-11ke peptide; toxic hypervolemia; dlucesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; candiac contractility; renal failure; dluretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2005 13:32 Type: P Check: 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prickett K;
                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 10; Page 35; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA, Vine W, Beeley NRA,
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                                                                                                                                                                                                                                                                                                                                                                                                                             99WO-US002554.
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08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                              hypertension; urine flow
                                        Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                                                                         Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                               05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                 WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                         19-AUG-1999
                                                                                                                                                                                                      Synthetic
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Increasing urine flow by administering peptides or peptide agonists

Prickett K;

Vine W, Beeley NRA,

Young AA,

WPI; 1999-527332/44

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-FEB-1999; 13-FEB-1998;

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comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potessium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, dirkhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-clampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAV31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31512 Length: 28 February 4, 2005 13:32 Type: P Check: 151 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 11; Page 36; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         check: 63 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31513 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . match found in sequence:
aay31313; Exendin agonist peptide.
(flom "seq5ags.pep")
(flom "seq5ags.pep")
TOIG of: aay31513 check: 63 from.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDASKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
SKKK
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AAY31513;

28

t0:

AAY31512 standard; peptide; 28 AA

AAY31512

HXXX

. match found in sequence:
aay31312; Bexendin agonist peptide.
4from "seq5ags.pep")
(from "seq5ags.pep")
(Tolg of: aay31512 check: 151 fro

HGEGTFTADLSKQLEEEAVRLFIEFLKN

Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia; diuresis; renal plasma flow, glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

Synthetic.

(first entry)

08-NOV-1999

Exendin agonist peptide.

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site Heloderma sp

WO9940788-A1

19-AUG-1999.

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filltration rate, treating pre-eclampsia or eclampsia of pregrancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      fast acting. They have a prolonged duration of action, are inotropic, nave a low toxicity, and are easily administered intravenously. Sequences
                                                    Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                               Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31509 Length: 28 February 4, 2005 13:32 Type: P Check: 166 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                           Young AA, Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 8; Page 34; 94pp; English
                                                                                                                                                                                                                                                                               99WO-US002554.
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(first entry)
                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                       hypertension; urine flow
                           Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                         Key
Modified-site
                                                                                                                                             Heloderma sp
08-NOV-1999
                                                                                                                                                                                                                                                                               05-FEB-1999;
                                                                                                                                                                                                                                                                                                        13-FEB-1998;
                                                                                                                                                                                                                            WO9940788-A1
                                                                                                                                                                                                                                                     19-AUG-1999
                                                                                                                                Synthetic
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Increasing urine flow by administering peptides or peptide agonists

Prickett K;

Young AA, Vine W, Beeley NRA,

WPI; 1999-527332/44.

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-FEB-1999; 13-FEB-1998; The invention relates to new methods of increasing urine flow that

Example 9; Page 35; 94pp; English.

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comprises administering on exempting straing straing straing or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing urner flow, decreasing poteasium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal fallure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular fillration rate, treating pre-eclampsia or celampsia of pregrancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potessium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 fast acting. They have a prolonged duration of action, are inctropic, have a low toxicity, and are easily administered intravenously. Sequences AAV31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31510 Length: 28 February 4, 2005 13:32 Type: P Check: 231 Found using 'seq5' (mohamed337.key)
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aay31511; Exendin agonist peptide.
(from "seq5ags.pep")
rTOIG of: aay31511 check: 117 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31511 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTATSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY31511;
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to: 28

check: 231 from: 1

1 match found in sequence:
 aay31510 , Exendin agoniet peptide.
 (from "seq5ags.pep")
 TOIG of: aay31510 check: 231 fron

HGEGAFTSDLSKOLEEEAVRLFIEFLKN

AAY31510 standard, peptide; 28 AA

AAY31510;

SXXX

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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomentlar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                        Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                 The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                               Prickett K;
                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                            Example 6; Page 33; 94pp; English
                                                                                                                                                                                                                                                                                Young AA, Vine W, Beeley NRA,
                                                                                                                                                                                                                    99WO-US002554.
                                                                                                                                                                                                                                         98US-0075122P.
(first entry)
                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                 hypertension; urine flow
                     Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                     WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 AA;
                                                                                                                                     Key
Modified-site
                                                                                                     Synthetic.
Heloderma sp.
                                                                                                                                                                                                                   05-FEB-1999;
 08-NOV-1999
                                                                                                                                                                             WO9940788-A1
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comprises administering an examination of the comprises administering an examination of the comprises administering an examination of glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing unter flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal fallure, congestive heart fallure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or colampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diureties, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
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AAY31507 Length: 28 February 4, 2005 13:32 Type: P Check: 261 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLKN

match found in sequence:
aay31508 ; Exendin agonist peptide.
[finm "seq5ags.pep"]
TOIG of: aay31508 check: 249 fro

to: 28

AAY31508 standard; peptide; 28 AA

AAY31508; SXXX

Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardaccontractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; /note= "C-terminal amide" Location/Qualifiers (first entry) hypertension; urine flow Exendin agonist peptide. Modified-site Heloderma sp. WO9940788-A1 08-NOV-1999 19-AUG-1999 Synthetic

Prickett K; Vine W, Beeley NRA, (AMYL-) AMYLIN PHARM INC. WPI; 1999-527332/44. Young AA,

99WO-US002554.

05-FEB-1999;

Increasing urine flow by administering peptides or peptide agonists

The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diluresis, preparing an individual for surgical procedure, treating increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/eclampsia or en be alleviated by increasing eardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds Example 7; Page 34; 94pp; English.

Sequence 28 AA;

AAY31508 Length: 28 February 4, 2005 13:32 Type: P Check: 249 ound using 'seq5' (mohamed337.key) Found

to: 28 check: 166 from: 1 match found in sequence:
aay31509, Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31509 check: 166 from HAEGTFTSDLSKOLEEEAVRLFIEFLKN

AAY31509 standard; peptide; 28 AA.

AAY31509; SXXX Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diutesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

(first entry)

08-NOV-1999

Exendin agonist peptide.

/note= "C-terminal amide" Location/Qualifiers

Key Modified-site

W09940788-A1 19-AUG-1999

Synthetic. Heloderma sp.

seq5_ags.res

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The useful for increasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                   Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; duretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                          Young AA, Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 4; Page 32; 94pp; English
                                                                                                                                                                                                                                                                                         99WO-US002554.
                                                                                                                                                                                                                                                                                                                     98US-0075122P.
08-NOV-1999 (first entry)
                                                                                                          hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                           Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 30 AA;
                                                                                                                                                                                           Modified-site
                                                                                                                                                     Heloderma sp
                                                                                                                                                                                                                                                                                         05-FEB-1999;
                                                                                                                                                                                                                                    WO9940788-A1
                                                                                                                                                                                                                                                                                                                   13-FEB-1998;
                                                                                                                                                                                                                                                              19-AUG-1999.
                                                                                                                                       Synthetic
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Increasing urine flow by administering peptides or peptide agonists

Example 5; Page 33; 94pp; English.

Prickett K;

Vine W, Beeley NRA,

Young AA,

WPI; 1999-527332/44.

(AMYL-) AMYLIN PHARM INC.

13-FEB-1998; 05-FEB-1999;

99WO-US002554. 98US-0075122P.

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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

capid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

eclampsia or eclampsia of pregnancy, and increasing a condition/

disorder that can be alleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and are

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered incravenously. Sequences

AXY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31506 Length: 28 February 4, 2005 13:32 Type: P Check: 700 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aay31507, Exendin agonist peptide.
(from "seq5ags.pep")
TOIG of: aay31507 check: 261 from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQMEEEAVRLFIEWLKN
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AAY31505 Length: 30 February 4, 2005 13:32 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG

AAY31507;

to: 28

check: 700 from: 1

1 match found in sequence:
 aay31506 ; Exendin agonist peptide.
 (from "seq5ags.pep")
 TOIG of: aay31506 check: 700 from

AAY31506 standard; peptide; 28 AA

AAY31506;

SXXX

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comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist. GLP-1 agonist. The new methods using an exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary cedema, oirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedema, or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are alow toxicity, and are easily administered intravenously. The present sequence represents an exendin-3 peptide which can be used in the methods of the invention
                               Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ncreasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Type: P
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                                                                                                                                                                                                                                                 /note= "C-terminal amide"
                                                                                                                                                                                                     Location/Qualifiers
39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 14; Page 7; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                 99WO-US002554
                                                                                                                                                                                                                                                                                                                                                                                                       98US-0075122P
Exendin-3 peptide sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of the invention
                                                                                                             hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                             AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vine W,
                                                                                                                                                     Synthetic.
Heloderma horridum.
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                                                                                                                                                                                                               Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                   05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                       13-FEB-1998;
                                                                                                                                                                                                                                                                                         WO9940788-A1
                                                                                                                                                                                                                                                                                                                             19-AUG-1999,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA,
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Check: 9591
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to: 39
                   from: 1
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aay31502 ; Exendin-4 peptide sequence.
                                       39
                                      AAY31502 standard; peptide;
                   check: 9570
         (from "seq5ags.pep")
TOIG of: aay31502 c
                                         SXXXE
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08-NOV-1999

AAY31502;

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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                        Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                        Prickett K;
                                                                                                            39
/note= "C-terminal amide"
                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                        Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                            Claim 15; Page 7; 94pp; English.
                                                                                                                                                                       99WO-US002554
         Exendin-4 peptide sequence.
                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC
                                                          hypertension; urine flow
                                                                                    Heloderma suspectum.
                                                                                                                                                                                                                                          WPI; 1999-527332/44
                                                                                                      Key
Modified-site
                                                                                                                                      WO9940788-A1
                                                                                                                                                                        05-FEB-1999;
                                                                                                                                                                                        13-FEB-1998;
                                                                                                                                                      19-AUG-1999.
                                                                                                                                                                                                                          Young AA,
                                                                            Synthetic
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 or GLP-1 agonist are useful for careasing usine flow, decreasing potassium concentration in urine, increasing usine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia concentration in urine, congestive heart failure, nephrotic syndrome, pulmonary cema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, concentration rate, treating precedure, and plasma flow and glomenlar filtration rate, treating precedure that can be alleviated by increasing cardiac contractility disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, spatemic edema or renal cancer acting They have a prolonged duration of action, are increasing corting. They have a prolonged duration of action, are increasing presents and are easily administered increasing in the present sequence represents an exendin-4 peptide which can be used in the present sequence represents an exendin-4 peptide which can be used in the

Check: 9570 1502 Length: 39 February 4, 2005 13:32 Type: P
using 'seq5' (mohamed337.key) Sequence 39 AA; AAY31502 Found

to: 30 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS check: 4889. from: 1 aay31505 ; Exendin agonist peptide match found in sequence: (from "seq5ags.pep" TOIG of: aay31505

AAY31505 standard; peptide; 30 AA. AXXX

AAY31505

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plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                        Type: P Check: 2215
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                                                                                        AAY24867 Length: 33 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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HGEGTFTSDASKQLEBEAVRLFIBFLKNGGPSS
                                                                                                                                                                                                                                     match found in sequence:
aay34868 ; Exemin agonist peptide #60.
(from "seq5ags.pep")
TOIG of: aay24868 check: 2649 from: ]
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #60.
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                                                      Sequence 33 AA;
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Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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to
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                     aay24869; Exendin agonist peptide #61.
(from "seq5ags.pep")
TOIG of: aay24869 check: 4015 from:
                                                                                                                                           AAY24869 standard; peptide; 37 AA
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aay31501 ; Exendin-3 peptide sequence.
(from "seq5ags.pep")
TOIG of: aay31501 check: 9591 from:
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                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide #61.
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found in sequence:
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and the

Type: P Check: 2649

AAY24868 Length: 29 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

HGEGTFTSDASKQMEBEAVRLFIEWLKNG 1

Claim 18; Fig 4; 108pp; English.

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exemin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and typerglycaemic or hypoglycaemic conditions. They can also be used for the treatment of agents which lower treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                             New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY24864 Length: 28 February 4, 2005 13:32 Type: P Check: 657
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                            Claim 18; Fig 4; 108pp; English
98WO-US024210.
                                         97US-0065442P
                                                                                                                                    Beeley NRA, Prickett KS;
                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                              WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
13-NOV-1998;
                                            14-NOV-1997;
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78 HGEGTFTSDLSKQLEEEAVRLXIEFLKN

: : check: 1045 from: 1 match found in sequence:
aay24865; Exendin agonist peptide #57.
(from "seq5ags.pep")
TOIG of: aay24865 check: 1045 from: AAY24865 standard, peptide; 28 AA Exendin agonist peptide #57 24-AUG-1999 (first entry) AAY24865;

Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying. Synthetic.

Heloderma sp

WO9925727-A2

27-MAY-1999.

13-NOV-1998;

98WO-US024210.

97US-0065442P 14-NOV-1997;

(AMYL-) AMYLIN PHARM INC.

Beeley NRA,

WPI; 1999-394773/33.

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New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying рę AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can lused for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes hyperglycaemic or hypoglycaemic conditions. They can also be used for treatment of disorders which would be benefited by agents which lower New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes. Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying. to AAY24877 represent exendin agonist peptides which can Check: 1045 Type: P AAY24865 Length: 28 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key) check: 2215 from: 1 . match found in sequence: aay24867 ; Exendin agonist peptide #59. AAY24867 standard; peptide; 33 AA Claim 18; Fig 4; 108pp; English. HGEGTFTSDLSKOMEEEAVRLFXEWLKN 98WO-US024210. 97US-0065442P. Exendin agonist peptide #59. (first entry) Prickett KS; (AMYL-) AMYLIN PHARM INC. WPI; 1999-394773/33. (from "seq5ags.pep" TOIG of: aay24867 Sequence 28 AA; Heloderma sp. WO9925727-A2 13-NOV-1998; 14-NOV-1997; 24-AUG-1999 Beeley NRA, 27-MAY-1999. Synthetic AAY24809 AAY24867; Found

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WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                           Heloderma sp
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                                                                                          Synthetic.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                        <u>د</u>و:
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                                                      check: 649 from: 1
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aay24863; Exendin agonist peptide #55.
(from "seq5ags.pep")
TOIG of: aay24863 check: 381 from: 1
                 aay24862 ; Exendin agonist peptide #54
(from "seq5ags.pep")
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                                                                                          AAY24862 standard; peptide; 28
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HGEGTFTSELSKOMAEEAVRLFIEWLKN
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                                                                                                                                                                                                         Exendin agonist peptide #54.
                                                                                                                                                                    24-AUG-1999 (first entry)
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 match found in sequence:
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AAY24863 standard; peptide; 28

Exendin agonist peptide #55

24-AUG-1999 (first entry)

AAY24863;

EXXXXEX8

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emptying
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Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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ay24864; Exemin agonist peptide #56.
(from seq5ags.pep")
TOIG of: aay24864 check: 657 from: 1
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| HGEGTFTSDXSKQLEEBAVRLFIEFLKN
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Heloderma sp.
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which hower
                                   AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aay24860 ; Exendin agonist peptide #52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY24860 standard; peptide; 28 AA
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Claim 18; Fig 4; 108pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq5ags.pep")
TOIG of: aay24860 o
                                                                                                                                                                                                                                                                                          Sequence 28 AA;
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Heloderma sp.
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benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                         Check: 693
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                                                                     AAY24860 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                       . match found in sequence:
aay24861; Exendin agonist peptide #53.
(from "seq5ags.pep")
TOIG of: aay24861 check: 701 from: 1
                                                                                                                                                                                                                                                                                                                    AAY24861 standard; peptide; 28 AA.
                                                                                                                                                HGEGTFSSDLSKQMEEEAVRLFIEWLKN
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                                    Sequence 28 AA;
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Synthetic.

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ablility to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aay24859; Exendin agonist peptide #51.
(from "seq5ags.pep")
TOIG of: aay24869 check: 383 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY24859 standard; peptide; 28 AA
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                                                                                                                                                                                                                                                                           Claim 18; Fig 4; 108pp; English
                       97US-0065442P.
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                                                                  (AMYL-) AMYLIN PHARM INC
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Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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(from "seq5ags.pep")
TOIG of: aay24858 check: 4886 from:
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Synthetic

AAY24858;

28 : : to: 36

from: 1

check: 869

(from "seq5ags.pep") TOIG of: aay24856

AAY24856 standard; peptide; 36 AA

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aay24856 ; Exendin agonist peptide #48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                  AAY24854 Length: 37 February 4, 2005 13:32 Type: P Check: 1733 Found using 'seg5' (mohamed337.key)
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                                                                                                                        HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGASSGAAA
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                                                                                                                                                                                             1 match found in sequence:
aay24855 ; Exendin agonist peptide #47.
                                                                                                                                                                                                                                                                                      AAY24855 standard; peptide; 37 AA
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                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide #47.
                                                                                                                                                                                                                                                                                                                                                           24-AUG-1999 (first entry)
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                                                                                                                                                                                                                                  (from "seq5ags.pep")
TOIG of: aay24855 <
                Sequence 37 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9925727-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                         AAY24855;
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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.

Prickett KS;

Beeley NRA,

WPI; 1999-394773/33.

(AMYL-) AMYLIN PHARM INC.

Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp. WO9925727-A2

Synthetic

Exendin agonist peptide #48.

(first entry)

24-AUG-1999

AAY24856;

98WO-US024210. 97US-0065442P.

13-NOV-1998; 14-NOV-1997;

27-MAY-1999

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY24856 Length: 36 February 4, 2005 13:32 Type: P Check: 869 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aay24857; Exendin agonist peptide #49.
(from "seq5ags.pep")
TOIG of: aay24887 check: 7463 from:
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XEXEXEX
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|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX

1 match found in sequence:

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1 match
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                                                                                                                               regulate gastric motility and slow 3, e.g. diabetes.
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Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 37
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                                                                                                                                   New exendin agonist peptides - can re
gastric emptying, used for treating,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aay24853; Exendin agonist peptide #45.
(from "seq5ags.pep")
TOIG of: aay24853 check: 2828 from:
                                                                                                                                                                                     Claim 18; Fig 4; 108pp; English.
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97US-0065442P
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                                                                  Prickett KS;
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                                  (AMYL-) AMYLIN PHARM INC.
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                                                                                                 WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 38 AA;
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 14-NOV-1997;
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                                                                  Beeley NRA,
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                            regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and typerglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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exendin agonist peptides which can
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TOIG of: aay24854 check: 1733 from: 1
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aay24854 ; Exendin agonist peptide #46.
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    to AAY24877 represent
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 37 AA;
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Synthetic.

AAY24850;

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and typerglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which howld be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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  diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia;
hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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HGEGTFTSDLSKQMEBEAVRLF1EWLKNGGXSSGAXXX
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TOIG of: aay24852 check: 7221 from: 1
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aay24852 ; Exendin agonist peptide #44.
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                                                                                                                                                                                                                                                                                    97US-0065442P.
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                                                                                                Heloderma sp.
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Heloderma sp.
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                                                                          Synthetic.
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       AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as exending to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which hower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                       Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                          to: 29
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                          from: 1
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aay24851; Exendin agonist peptide #43.
(ffrom "seq5ags.pep")
TOIG of: aay24851 check: 7469 from: 1
                                                                     AAY24850 standard; peptide; 29 AA.
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                                                                                                                                                                                                                 Exendin agonist peptide #42.
(from "seq5ags.pep")
TOIG of: aay24850 check: 2320
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                                                                                                                                                                 24-AUG-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                             Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                      WO9925727-A2.
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AAY24851;

M K B K B K B K B K B

Page 366

seq5_ags.res

Sequence 30 AA;

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type. I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                  AAY24847 Length: 31 February 4, 2005 13:32 Type: P Check: 6930 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (from "seq5ags.pep")
TOIG of: aay24848 check: 4450 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
aay24848 ; Exendin agonist peptide #40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY24848 standard, peptide, 30 AA
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| HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
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   Check: 4450
AAY24848 Length: 30 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                          to: 29
                                                                                                                                               1 match found in sequence:
    aay24849 ; Exendin agonist peptide #41.
    (from "seq5ags.pep")
    TOIG of: aay24849 check: 2759 from: 1
                                                                                                                                                                                                                                               AAY24849 standard; peptide; 29 AA.
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heloderma sp.
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aay24850 ; Exendin agonist peptide #42.

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

Beeley NRA,

WPI; 1999-394773/33

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                               New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Type: P Check: 9586
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY24845 Length: 32 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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TOIG of: aay24846 check: 7369 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
aay24846 ; Exendin agonist peptide #38
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                                                                                                                                                98WO-US024210.
                                                                                                                                                                               97US-0065442P.
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                                                                                                                                                                                                                                                 Beeley NRA, Prickett KS;
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                                              Heloderma sp
                                                                                                                                                                               14-NOV-1997;
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                                                                                                               27-MAY-1999
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                             Synthetic
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98WO-US024210. 97US-0065442P.

13-NOV-1998; 27-MAY-1999.

14-NOV-1997;

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agoniets which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                  New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
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aay24847 ; Exendin agonist peptide #39.
(from "seq5ags.pep")
TOIG of: aay24847 check: 6930 from:
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                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 31 AA;
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Fri Feb

to: 32

from: 1

TOIG of: aay24844 check: 25

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AAY24844 standard; peptide; 32

Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp WO9925727-A2

Synthetic.

Exendin agonist peptide #36.

(first entry)

24-AUG-1999

AAY24844;

97US-0065442P. 98WO-US024210.

13-NOV-1998; 14-NOV-1997;

27-MAY-1999

Beeley NRA, Prickett KS; (AMYL-) AMYLIN PHARM INC

WPI; 1999-394773/33.

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which lower plasma glucose levels and in treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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2764
 Check:
Type: P
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2005 13:32
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS
                                                                                                                                                                                                    check: 2325 from: 1
                                                                                                                                              match found in sequence:
aay24843 ; Exendin agonist peptide #35.
                                                                                                                                                                                                                                         AAY24843 standard; peptide; 33 AA
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33 February 4, (mohamed337.key)
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TOIG of: aay24843
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AAY24842 Length:
Found using 'seq5'
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Heloderma sp
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ANY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and alow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                     New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aay24845 ; Exendin agonist peptide #37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY24845 standard; peptide; 32 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 18; Fig 4; 108pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from "seq5ags.pep"
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Type: P Check: 2325

AAY24843 Length: 33 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS

aay24844 ; Exendin agonist peptide #36.
(from "seq5ags.pep")

match found in sequence:

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(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                     1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-394773/33.
                                                                                                                                 Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                        AAY24842;
AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                      New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSG
                                                                                                                                                                                                                                                                                                                                                                                                                             (from "seq5ags.pep")
TOIG of: aay24841 check: 4739 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aay24841 ; Exendin.agonist peptide #33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY24841 standard; peptide; 34 AA.
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                                                                                                          Claim 18; Fig 4; 108pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-AUG-1999 (first entry)
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                         Prickett KS;
 (AMYL-) AMYLIN PHARM INC
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                                               WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                               Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO9925727-A2
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                         Beeley NRA,
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 CXSXEAXBXBXBXBXBXBXBXBXBXBXBXBXBXCX
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY24841 Length: 34 February 4, 2005 13:32 Type: P Check: 4739 Found using 'seq5' (mohamed337.key)
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(from "seq5ags.pep")
TOIG of: aay24842 check: 2764 from: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY24842 standard; peptide; 33 AA.
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Sequence 33 AA;

AAY24809 to AAY24877 represent exendin agonist peptides which can

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AAY24838;

Synthetic

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HGEGTPTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
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TOIG of: aay24840 check: 5178 from: 1
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aay24840 ; Exendin agonist peptide #32.
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                                                                                                                                        98WO-US024210.
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                                 Heloderma sp.
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Heloderma sp.
                                                                  WO9925727-A2
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                                                                                                     27-MAY-1999.
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                Synthetic.
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and typerglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                     Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to AAY24877 represent exendin agonist peptides which
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aay24839; Exendin agonist peptide #31.
(from "seq5ags.pep")
TOIG of: aay24839 check: 7014 from:
              AAY24838 standard; peptide; 35 AA
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                                                                                                                      Exendin agonist peptide #30
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                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                               Heloderma sp
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AAY24809

AAY24839;

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as agents to regulate gastric motility and to slow gastric emptying, as mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower blasma glucose levels and in retarment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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Found using 'seq5' (mohamed337.key)
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as agents to regulate gastric motility and to slow gastric emptying, as mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aay24836; Exendin agonist peptide #28.
[from "seq5ags.pep"]
TOIG of: aay24836 check: 333 from: 1
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Found using 'seq5' (mob
                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 37 AA;
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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Check: 333
AAY24836 Length: 36 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                              to: 36
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                                                                                                                                                    1 match found in sequence:
    aay24837; Exendin agonist peptide #29.
    (from "seq5ags.pep")
    TOIG of: aay24837 check: 9894 from: 1
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(from "seq5ags.pep")
TOIG of: aay24838 check: 7453 from:
                                                                                                                                                                                                                                                  AAY24837 standard; peptide; 36 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Heloderma sp.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and alow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as agents to regulate gastric motility and to slow gastric emptying, as mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                             New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                     Check: 6333
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aay24835 ; Exendin agonist peptide #27.
(from "seq5ags.pep")
TOIG of: aay24835 check: 2854 from:
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               Prickett KS;
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                                             WPI; 1999-394773/33.
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               Beeley NRA,
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                                                                                                                                                                                                                                                                                     New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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aay24834 ; Exendin agonist peptide #26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY24834 standard; peptide; 38 AA
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TOIG of: aay24834
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Synthetic.
Heloderma sp.
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Heloderma sp.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can bused for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidence by the ability to reduce poet-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes hyperglycaemic or hypoglycaemic conditions. They can also be used for treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptyir
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                                                                                                                                                                              Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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(from "seq5ags.pep")
TOIG of: aay24833 check: 5894 from:
AAY24832 standard; peptide; 38 AA.
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Found using 'seq5' (mohamed337.key)
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aay24832; Exendin agonist peptide #24.
(from "seq5ags.pep")
TOIG of: aay24832 check: 6333 from: 1
                                                                                                                                                                                                                                         from: 1
                                                                                                                                                               . match found in sequence:
aay2481; Exemedin agonist peptide #23
(from "eg5ags.pep")
TOIG of: aay24831 check: 261 from:
                                                                                                                                                                                                                                                                                     AAY24831 standard; peptide; 28 AA
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  Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #23.
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Synthetic.

AAY24831;

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emptying

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which hower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                        New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                    Claim 18; Fig 4; 108pp; English
Prickett KS;
                                             WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
Beeley NRA,
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Type: P Check: 136 2005 13:32 AAY24828 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

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match found in sequence:
ay24829 ; Exendin agonist peptide #21
(from "seq5ags.pep")
TOIG of: aay24829 check: 9975 from:
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HGEGTFTSDLSKQLEEEAVRLFIEALKN
                                                                                                                                aay24829
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ţo: check: 9975 from: 1 AAY24829 standard; peptide; 28 AA AAY24829;

28

Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying. Exendin agonist peptide #21

(first entry)

24-AUG-1999

Synthetic. Heloderma sp.

WO9925727-A2

27-MAY-1999.

98WO-US024210. 13-NOV-1998; 97US-0065442P. 14-NOV-1997;

(AMYL-) AMYLIN PHARM INC.

Beeley NRA, Prickett KS;

NPI; 1999-394773/33.

New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.

AAV24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic Claim 18; Fig 4; 108pp; English.

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conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                              check: 9991
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                                                                                                                                                                                                                                                         match found in sequence
                                                                                                                                                                                                                                                                                  (from "seq5ags.pep")
TOIG of: aay24830 c
                                                                                                                         Sequence 28 AA;
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emptying AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and alow gastric emptying. The peptides can k used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of type I and II diabetes hyperglycaemic or hypoglycaemic conditions. They can also be used for treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited by agents which lower blasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptyii Sequence 28 AA;

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Claim 18; Fig 4; 108pp; English

February 4, 2005 13:32 Type: P Check: 9991 AAY24830 Length: 28 seq5_ags.res

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which hower benefited with agents useful in delaying and/or slowing gastric emptying
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aay34828 ; Exemain agonist peptide #20.
(ffrom "seq5ags.pep")
TOIG of: aay24828 check: 136 from: 1
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                                                                                                                                      98WO-US024210.
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Heloderma sp.
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Heloderma sp.
                                               WO9925727-A2
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  agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited by agents which would be benefited with agents useful in delaying and/or slowing gastric emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                       Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay24827; Exendin agonist peptide #19.
(from "seq5ags.pep")
TOIG of: aay24827 check: 261 from: 1
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                                                                                                              Exendin agonist peptide #18.
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                                                               (first entry)
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                                                               24-AUG-1999
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Heloderma sp.
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                     AAY24826;
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to: 28

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AMY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type. I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                         Type: P
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                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aay24824 ; Exendin agonist peptide #16.
(from "seq5ags.pep")
TOIG of: aay24824 check: 9862 from:
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AAY24824 Length: 28 February 4, 2005 13:32 Type: P Check: 9862 Found using 'seq5' (mohamed337.key)

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                   Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                   match found in sequence:
aay24825 ; Exendin agonist peptide #17.
[Irom "Beq5ags.pep"]
TOIG of: aay24825 check: 9921 from:
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HGEGTFTSDLSKQLEEEAARLFIEFLKN
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                                                                                                                                                                                                                                                                     Exendin agonist peptide #17.
                                                                                                                                                            AAY24825 standard, peptide;
                                                                                                                                                                                                                                (first entry)
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TOIG of: aay24826 check: 30
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                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                AAY24825;
                                                                     1 match
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-paradial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                               New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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TOIG of: aay24823 check: 193 from: 1
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| match found in sequence:
aay24823 ; Exendin agonist peptide #15.
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                                                                                                                                    Claim 18; Fig 4; 108pp; English
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                       WPI; 1999-394773/33.
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Heloderma sp
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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aay24822; Exendin agonist peptide #14.
(from "ego5ags.pep")
TOIG of: aay24822 check: 197 from: 1
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                                                                                                              98WO-US024210.
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                     WO9925727-A2
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Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp.

Synthetic.

WO9925727-A2

27-MAY-1999.

Exendin agonist peptide #12

(first entry)

24-AUG-1999

AAY24820;

98WO-US024210. 97US-0065442P.

Prickett KS;

Beeley NRA,

WPI; 1999-394773/33.

(AMYL-) AMYLIN PHARM INC.

14-NOV-1997;

13-NOV-1998;

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                                                                                                                                                aay24819; Exendin agonist peptide #11 (from "seq5ags.pep")
TOIG of: aay24819 check: 53 from: 1
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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.

Claim 18; Fig 4; 108pp; English.

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of fype I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which hould be benefited with agents useful in delaying and/or slowing gastric emptying
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Heloderma sp.
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28

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check: 107 from: 1

AAY24820 standard; peptide; 28 AA

. match found in sequence: aay24820 ; Exendin agonist peptide #12. (from "seq5ags.pep") TOIG of: aay24820 check: 107 from: 1

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evidenced by the ability to reduce post-prandial glucose levels
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                                                                                                                                                  regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                                    New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                  peptides which
                                                                                                                                                                                                                                                                                                                                                                                                       AAY24816 Length: 28 February 4, 2005 13:32 Type: P Check: 151
Found using 'seq5' (mohamed337.key)
                                                                                                                                    to AAY24877 represent exendin agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aay24817; Exemdin agonist peptide #9.
(from "seq5ags.pep")
TOIG of: aay24817 check: 63 from: 1
                                                                                              Claim 18; Fig 4; 108pp; English
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WPI; 1999-394773/33
                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
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mammals. They can be used for the treatment of Type I and II diabetes hyperglycaemic or hypoglycaemic conditions. They can also be used for treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptyi
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                                                                                                                                                                                                                                                                                   63
                                                                                                                                                                                                                                                                                   check:
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aay24818 ; Exendin agonist peptide #10.
(from "seq5ags.pep")
TOIG of: aay24818 check: 141 from: 1
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Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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    aay24816 ; Exendin agonist peptide #8.
    (from "seq5ags.pep")
    TOIG of: aay24816 check: 151 from:
                                                                                                                                                                                                                                                                                                                            Claim 18; Fig 4; 108pp; English.
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WO9925727-A2
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                                    27-MAY-1999.
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                                                                                        Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay24815 ; Exendin agonist peptide #7.
(from *seq5ags.pep")
TOIG Of: aay24815 check: 117 from: 1
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                                                        Exendin agonist peptide #6
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                    (first entry)
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Heloderma sp.
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                                                                                                                                                                                              Heloderma sp
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                  24-AUG-1999
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AAY24815;

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which hower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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27-MAY-1999

Synthetic.

to: 28

check: 166 from: 1

28

HAEGTFTSDLSKQMEEEAVRLFIEFLKN

AAY24813 standard; peptide; 28 AA

(first entry)

24-AUG-1999

AAY24813;

8888888

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. match found in sequence:
aay24813 ; Exendin agonist peptide #5.
(from "seq5ags.pep")
TOIG of: aay24813 check: 166 from:
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mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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aay24812; Exendin agonist peptide #4.
[from "seq5ags.pep"]
TOIG of: aay24812 check: 263 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      W09925727-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY24812;
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emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    regulate gastric motility and slow gastric emptying. The peptides can used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes hyperglycaemic or hypoglycaemic conditions. They can also be used for treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptyii
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                regulate gastric motility and slow 3, e.g. diabetes.
                                                                                                                                  Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY24809 to AAY24877 represent exendin agonist peptides which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY24813 Length: 28 February 4, 2005 13:32 Type: P Check: 166 ound using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New exendin agonist peptides - can re
gastric emptying, used for treating,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aay24814 ; Exendin agonist peptide #6.
(from "seq5ags.pep")
TOIG of: aay24814 check: 231 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY24814 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 18; Fig 4; 108pp; English.
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HGEGAFTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                              97US-0065442P.
                                                                                                                                                                                                                                                                                                                              98WO-US024210
                                                                                                    Exendin agonist peptide #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
                                                                                                                                                                                                                          Heloderma sp.
                                                                                                                                                                                                                                                                                                                              13-NOV-1998;
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                                                                                                                                                                                                        Synthetic
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HXX
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Type: P Check: 263

February 4, 2005 13:32

AAY24812 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which lower plasma glucose levels and in treatment of disorders which would be benefited by agents which lower benefited with agents useful in delaying and/or slowing gastric emptying
          New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOIG of: aay24811 check: 275 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY24811 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
aay24811 ; Exendin agonist peptide #3.
(from "seq5ags.pep")
                                                        Claim 18; Fig 4; 108pp; English
                                                                                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKQMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                       Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY24811;
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                                                                                                                                                                                                                                                                                                                   Found
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefitted with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                              New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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to:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aay24810 ; Exendin agonist peptide #2.
ficm "seq5ags.pep")
TOIG of: aay24810 check: 700 from:
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HGEGTPTSDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                           Claim 18; Fig 4; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY24809 Length: 30 February 4, Found using 'seq5' (mohamed337.key)
                                          98WO-US024210.
                                                                         97US-0065442P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide #2.
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                                                                                                                                     Prickett KS;
                                                                                                       (AMYL-) AMYLIN PHARM INC.
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                                           13-NOV-1998;
                                                                         14-NOV-1997;
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               27-MAY-1999
                                                                                                                                     Beeley NRA,
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to: 28

(first entry)

Check: 700

Length: 28 February 4, 2005 13:32 Type: P g 'seq5' (mohamed337.key)

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                             Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 18; Fig 4; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         98WO-US024210.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97US-0065442P
Exendin agonist peptide #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-NOV-1998;
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                                                                                                                                                                                                                                              Heloderma sp
                                                                                                                                                                                                                                                                                                               WO9925727-A2
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                                                                                                                                                                                                          Synthetic.
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98WO-US024210. 97US-0065442P.

13-NOV-1998; 14-NOV-1997; AMYL-) AMYLIN PHARM INC. Beeley NRA, Prickett KS;

WPI; 1999-394773/33

seq5 ags.res

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AAY17515 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2005 13:32 Type: P Check: 4443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 4889 from: 1
AAY17635 standard; peptide; 30 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . match found in sequence:
aay24809 ; Exendin agonist peptide #1.
(from "seq5ags.pep")
TOIG of: aay24809 check: 4889 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY17635 Length: 30 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                           97US-0066029P.
                                                                                                                         Exendin agonist peptide #101
                                                                                                                                                                                                                                                                                                                                                                                                  98WO-US024273
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                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                      Heloderma sp
                                                                                                                                                                                                                                                                                                               WO9925728-A1
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Heloderma sp.
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                                                                                09-AUG-1999
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                                                                                                                                                                                                                                                   Synthetic
                                       AAY17635;
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II; hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying, stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Peptide agonists of exendin - delay stomach emptying, for treating
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                                                        AAY17633 Length: 28 February 4, 2005 13:32 Type: P Check: 254 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aay17635 ; Exendin agonist peptide #101.
(from "seq5ags.pep")
TOIG of: aay17635 check: 4443 from: 1
                                                                                                                                                                                                                                                                                          check: 4882 from: 1
                                                                                                                                                                                                                         . match found in sequence:
aay17634 ; Exendin agonist peptide #100.
(from "agogs.pep")
TOIG of: aay17634 check: 4882 from: 1
                                                                                                                                                                                                                                                                                                                                   AAY17634 standard; peptide; 30 AA
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| AGEGTFTSDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 71; Fig 7; 144pp; English.
                                                                                                                                          AGEGTFTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide #100.
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                                                                                                                                                                                                                                                                                                                                                                                                                     09-AUG-1999 (first entry)
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               Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heloderma sp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
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to: 30

Fri Feb

Prickett KS;

Beeley NRA,

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to read diabetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
diabetes mellitus Lype I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                          Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                           Claim 28; Fig 4; 144pp; English.
                                                                                                                                                       98WO-US024273
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                                                                                                                                                                                                                                                    Prickett
                                                                                                                                                                                                                                                                               WPI; 1999-347456/29.
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                                                                                                                                                                                       14-NOV-1997;
                                                                Heloderma sp
                                                                                                                                                        13-NOV-1998;
                                                                                           W09925728-A1
                                                                                                                          27-MAY-1999
                                                                                                                                                                                                                                                  NRA,
                                                Synthetic.
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AAY17623 Length: 39 February 4, 2005 13:32 Type: P Check: 9112 Found using 'seq5' (mohamed337.key) to: 28 |------AGAGTFTSDLSKQLEBEAVRLFIEFLKNGGPSSGAPPPS match found in sequence:

from: 1 aay17632 ; Exendin agonist peptide #98. (from "seq5ags.pep") TOIG of: aay17632 check: 693 from: AAY17632 standard; peptide; 28 09-AUG-1999. (first entry) AAY17632;

Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying. Exendin agonist peptide #98. Heloderma sp Synthetic XBXBXBXBXBXBXBXBXBXBXBXBXBXBXBXBXBX

97US-0066029P. 98WO-US024273 14-NOV-1997; 13-NOV-1998;

WO9925728-A1

27-MAY-1999

(AMYL-) AMYLIN PHARM INC

AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels) AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels) Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying. Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia. Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia. AAY17632 Length: 28 February 4, 2005 13:32 Type: P Check: 693 ound using 'seq5' (mohamed337.key) to: 28 from: 1 aay17633 ; Exendin agonist peptide #99.
(from "seq5ags.pep")
TOIG of: aay17633 check: 254 from: 1 AAY17633 standard; peptide; 28 AA Claim 71; Fig 7; 144pp; English. Claim 71; Fig 7; 144pp; English. |------| AGEGTFTSDLSKQMEEEAVRLFIEWLKN 98WO-US024273. 97US-0066029P. Exendin agonist peptide #99. (first entry) (AMYL-) AMYLIN PHARM INC WPI; 1999-347456/29. 1 match found in sequence: WPI; 1999-347456/29. Sequence 28 AA; Found using 'seq5' 13-NOV-1998; Heloderma sp 14-NOV-1997; W09925728-A1 09-AUG-1999 27-MAY-1999. Beeley NRA, Synthetic. AAY17633;

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          stomach emptying, for treating
                                                                                                                                                                                                 AAY17620 Length: 35 February 4, 2005 13:32 Type: P Check: 7441 ound using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                to: 30
                                                                                                                                                                                                                                                                           HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Peptide agonists of exendin - delay sodiabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                check: 4862 from: 1
                                                                                                                                                                                                                                                                                                                                                  . match found in sequence:
aay17621 ; Exendin agonist peptide #87.
(from "seq5ags.pep")
TOIG of: aay17621 check: 4862 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY17621 standard; peptide; 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98WO-US024273.
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                                                                                                                                                             Sequence 35 AA;
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  888888888888
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|-----| HGDATFTSDLSKQMEEEAVRLFIEWLKNGG

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Maxico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                      Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length: 39 February 4, 2005 13:32 Type: P Check: 9563
g 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; Heloderma sp; Gila monster; venom; lizard;
                                                   to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     diabetes and hypo- or hyper-glycemia.
                                                 from: 1
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l match found in sequence:
   aay17622 ; Exendin agonist peptide #88
   (from "seq5ags.pep")
   TOIG of: aay17622 check: 9563 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
aay17623 ; Exendin agonist peptide #89.
                                                                                AAY17622 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY17623 standard; peptide; 39 AA
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                                                                                                                                                                          Exendin agonist peptide #88
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                                                                                                                                             (first entry)
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TOIG of: aay17623 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Seguence 39 AA;
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                                                                                                                                                                                                                                                                   Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                   WO9925728-A1
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                                                                                                             AAY17622;
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stomach emptying, for treating

09-AUG-1999

AAY17618;

Synthetic. Heloderma sp.

W09925728-A1

27-MAY-1999

14-NOV-1997;

MRA,

Beeley

13-NOV-1998;

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoplycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGEGTFTSDLSKOMEERAVRLFIEWLKNGGXSSGAX
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diabetes and hypo- or hyper-glycemia.
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(from "seq5ags.pep")
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                                                                                                                                                                                                                                                                              Claim 28; Fig 4; 144pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 36 AA;
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                                                    14-NOV-1997;
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              13-NOV-1998;
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                                                                                                               Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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HGEGTFTSALSKQMEEBAVRLFIEWLKNGGASSGAAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aay17619; Exendin agonist peptide #85.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY17619 standard; peptide; 36 AA
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                                                                                                                                                                                                                                                                                                                                          98WO-US024273
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                                                                             Exendin agonist peptide #84.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-AUG-1999 (first entry)
                                     (first entry)
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TOIG of: aay17619

AAY17619;

to: 35

Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.

Heloderma sp

Synthetic

BXBXSSXXXXXXXXXXXXXXX

W09925728-A1

27-MAY-1999.

Claim 28; Fig 4; 144pp; English.

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agonists of exendin - delay stomach emptying, for treating
                      diabetes and hypo- or hyper-glycemia.
                                   Claim 28; Fig 4; 144pp; English
WPI; 1999-347456/29.
              Peptide
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)

Sequence 29 AA;

29 February 4, 2005 13:32 Type: P Check: 2313 (mohamed337.key) AAY17615 Length: 29 Found using 'seq5' (moh

AGEGTFTSDLSKQLEEEAVRLFIEFLKNG

to: 38 1 match found in sequence:
 aay17616 ; Exendin agonist peptide #82.
 (from "seq5ags.pep")
 TOIG of: aay17616 check: 7457 from: 1

AAY17616 standard; peptide; 38 AA 09-AUG-1999 (first entry) AAY17616;

Exendin agonist peptide #82.

Exendin, agonist, Heloderma sp, Gila monster, venom; lizard, diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp. Synthetic

WO9925728-A1

98WO-US024273. 13-NOV-1998; 27-MAY-1999

97US-0066029P. 14-NOV-1997;

(AMYL-) AMYLIN PHARM INC.

Beeley NRA, Prickett KS;

WPI; 1999-347456/29.

Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.

Claim 28; Fig 4; 144pp; English.

AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)

Sequence 38 AA;

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric.emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                              Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide agonists of exendin - delay stomach emptying, for treating
 AAY17616 Length: 38 February 4, 2005 13:32 Type: P Check: 7457 Found using 'seq5' (mohamed337.key)
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to:
                                                                 HGAGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXXX
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                                                                                                                                     . match found in sequence:
aay1/617; Exendin agonist peptide #83.
(from "seq5ags.pep")
TOIG of: aay1/617 check: 7197 from:
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aay17618 ; Exemplin agonist peptide #84.
(from "seq5ags.pep")
TOIG of: aay17618 check: 1706 from:
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                                                                                                                                                                                                                       AAY17617 standard; peptide; 38
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                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #83.
                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9925728-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-NOV-1997;
                                                                                                                                                                                                                                                                                            09-AUG-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-MAY-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                          AAY17617;
AAY17616
                                                                                                                                       1 match
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                 Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY17614 Length: 30 February 4, 2005 13:32 Type: Pound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           to: 29
                                                                                                                                                                                                                                                                                                                                                                     diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                match found in sequence: aay17615 ; Exendin agonist peptide #81.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY17615 standard; peptide; 29 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSALSKOLEEEAVRLFIEFLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                         Claim 28; Fig 4; 144pp; English
                                                                                                                                                     98WO-US024273.
                                                                                                                                                                                           97US-0066029P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #81.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 2313
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                                                                                                                                                                                                                                                                    Beeley NRA, Prickett KS;
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                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                          WPI; 1999-347456/29.
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TOIG of: aay17615 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 30 AA;
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                Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma sp.
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                                                                        WO9925728-A1
                                                                                                                                                     13-NOV-1998;
                                                                                                                                                                                           14-NOV-1997;
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                                                                                                              27-MAY-1999.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY17615;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAVI7535 to AAVI7624 represent exendin peptide agonists. Exendins are epetides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or they camena. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                              Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY17613 Length: 31 February 4, 2005 13:32 Type: P Check: 7345 Found using 'seq5' (mohamed337.key)
                                                        to: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptide agonists of exendin - delay si
diabetes and hypo- or hyper-glycemia.
                                                      check: 7345 from: 1
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(from "seq5ags.pep")
TOIG of: aay17614 check: 4423 from:
1 match found in sequence:
aay17613 ; Exendin agonist peptide #79.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 28; Fig 4; 144pp; English
                                                                                            AAY17613 standard; peptide; 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97US-0066029P.
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                                                                                                                                                                                                               Exendin agonist peptide #79.
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                                                                                                                                                                       (first entry)
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                                      (from "seq5ags.pep")
TOIG of: aay17613 c
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                                                                                                                                                                                                                                                                                                                                                   Heloderma sp
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Check: 4423

Check:

Type: P

to: 32

AAY17535

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to read diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                          17611 Length: 32 February 4, 2005 13:32 using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                  AGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPS
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                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aay17612 ; Exendin agonist peptide #78.
{from "seq5ags.pep"}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY17612 standard; peptide; 32 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 28; Fig 4; 144pp; English.
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                                                                                                                                     Sequence 32 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                           TOIG of: aay17612
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                                                                                                                                                                            AAY17611
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Found using
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      ន្តដ្ឋន្តន្តន្ត
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                              to AAY17624 represent exendin peptide agonists. Exendins are
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                                                                                                                                                                                                   Peptide agonists of exendin - delay stomach emptying, for treating
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diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                            diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                  4; 144pp; English
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                           97US-0066029P.
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                                                                      (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                            WPI; 1999-347456/29.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 33 AA;
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TOIG of: aay17611
                                                                                                                                                                                                                                                              Claim 28; Fig
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                           14-NOV-1997;
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                                                                                                               Beeley NRA,
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Check: 9574

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                          Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY17609 Length: 34 February 4, 2005 13:32 Type: P Check: 5154 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aay17610 ; Exendin agonist peptide #76.
(from "seq5ags.pep")
TOIG of: aay17610 check: 2737 from:
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                                      Exendin agonist peptide #75.
(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                            Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
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                                                                                                                                                           Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                   13-NOV-1998;
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09-AUG-1999
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                                                                                                                                                                                                                                                                                                                                                                                                       Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II; hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying, stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
                                                         AGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
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(from "seq5ags.pep")
TOIG of: aay17609 check: 5154 from:
                                                                                                                                                           aay17608 ; Exendin agonist peptide #74.
(from "seq5ags.pep")
TOIG of: aay17608 check: 7002 from:
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                        1 match found in sequence:
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Synthetic

AAY17608;

98WO-US024273.

13-NOV-1998; 27-MAY-1999.

AAY17609

SXXX

seq5_ags.res

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AAY17515 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
     Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                       AAY17606 Length: 36 February 4, 2005 13:32 Type: P Check: 9777 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                        AGEGTFTSDASKOLEEEAVRLFIEFLKNGGPSSGAP
                      diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                                                                                                                                       . match found in sequence:
aay17607; Exendin agonist peptide #73.
(from "seq5ags.pep")
TOIG of: aay17607 check: 7446 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY17607 standard; peptide; 35 AA
                                                   Claim 28; Fig 4; 144pp; English.
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                                                                                                                                                                                                                         Sequence 36 AA;
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Heloderma sp.
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     8X2X22222228
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                                                                                                                                                                                                                                                                 Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aay1/606; Exendin agonist peptide #72.
(from "seq5ags.pep")
TOIG of: aay1/606 check: 9777 from:
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                                                                                                    98WO-US024273
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                                                                                                                                                                                                   Beeley NRA, Prickett KS;
                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 36 AA;
Heloderma sp.
                                WO9925728-A1
                                                                                                13-NOV-1998;
                                                                                                                                 14-NOV-1997;
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Check: 7446

to: 37

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Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                         AAY17604 standard; peptide; 37 AA
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                                                                                                                                                                             Exendin agonist peptide #70.
                    check: 3269
                                                                                                                                      (first entry)
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(from "seq5ags.pep")
TOIG of: aay17604 c
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                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                               AAY17604;
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                                                           AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
      hypoglycaemia. They can also be used for in vitro and in vivo studies exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II, hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying, stomach emptying.
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                                                                                                                      Type: P Check: 6326
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                                                                                                                    AAY17602 Length: 38 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                 AGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                      check: 5882 from: 1
                                                                                                                                                                                                                                                                           match found in sequence:
aay17603; Exendin agonist peptide #69.
[from "seq5ags.pep"]
TOIG of: aay17603 check: 5882 from:
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                                                                                                                                                                                                                                                                                                                                                                             AAY17603 standard; peptide; 38
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                                                                               Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                   AAY17603;
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AAV17535 to AAV17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or they can also be used for in vitro and in vivo etudies on hypoplycaemia. They can they regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                            Check: 3269
                                                                                                                                                                                                                                                          AAY17604 Length: 37 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  to: 36
                                                                                                                                                                                                                                                                                                                                                                HGEATFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              aay17605 ; Exendin agonist peptide #71.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY17605 standard; peptide; 36 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #71.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check: 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8×4×4×4×4×4×4×
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HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP

1 match found in sequence: aay17604 ; Exendin agonist peptide #70.

Synthetic

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are expetides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Waxico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY17601 Length: 28 February 4, 2005 13:32 Type: P Check: 9887 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                     diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . match found in sequence:
aay1/602; Exendin agonist peptide #68.
(from "seq5ags.pep")
TOIG of: aay1/602 check: 6326 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY17602 standard; peptide; 38 AA
                                                                                                                                                                                                               Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGDGTFTSDLSKQLEEEAVRLFIEFLKA
28
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                                                               Prickett KS;
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                     (AMYL-) AMYLIN PHARM
                                                                                                      WPI; 1999-347456/29
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                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
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Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO9925728-A1
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                                                               Beeley NRA,
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  AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                       Exendin, agonist, Heloderma sp, Gila monster; venom; lizard; diabetes mellitus type I, diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 28; Fig 4; 144pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AGDGTFTSDLSKQMEEEAVRLFIEWLKA
                                                                                                                                                                                                                                                                            98WO-US024273.
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Exendin agonist peptide #66
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                                                                                                                                                                                                                                                                                                                                                                                                      Beeley NRA, Prickett KS;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
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of: aay17601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      09-AUG-1999
                                                                                                                                                Heloderma sp.
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Found using

AAY17601;

TOIG

to: 38

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                               AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                AAY17597 Length: 28 February 4, 2005 13:32 Type: P Check: 9965 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aay17598 ; Exendin agonist peptide #64.
(from "seq5ags.pep")
TOIG of: aay17598 check: 420 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY17598 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 28; Fig 4; 144pp; English
                 Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                           AGDGTFTSDLSKQLEEEAVRLF1EFAKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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                                                                                                                                                                                                   Sequence 28 AA;
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97US-0066029P 98WO-US024273

to: 28

check: 420 from: 1

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide agonists of exendin - delay stomach emptying, diabetes and hypo- or hyper-glycemia.
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(from "seq5ags.pep")
TOIG of: aay17600 check: 326 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-347456/29.
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                                                                                                                                                                                                                                                                                                                                                      13-NOV-1998;
                                                                                                                                                                   Heloderma sp
                                                                                                                                                                                                                                WO9925728-A1
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                                                                                                                                      Synthetic.
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AAY17598 Length: 28 February 4, 2005 13:32 Type: P Check: 420 Found using 'seq5' (mohamed337.key)

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28
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to:
                                  check: 9981 from: 1
                        aay17599 ; Exendin agonist peptide #65.
(from "seq5ags.pep")
TOIG of: aay17599 check: 9981 from:
                                           AAY17599 standard; peptide; 28
AGDGTFTSDLSKQMEEEAVRLFIEWLAN
                                                                         Exendin agonist peptide #65.
                                                               (first entry)
                   1 match found in sequence:
                                                               09-AUG-1999
                                                     AAY17599;
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AAY17595 AAY17595;

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Waxico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                             agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY17596 Length: 28 February 4, 2005 13:32 Type: P Check: 404
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                    diabetes and hypo- or hyper-glycemia.
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(from "seq5ags.pep")
TOIG of: aay17597 check: 9965 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY17597 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                         Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGDGTFTSDLSKOMEREAVRLFIEWAKN
                                                                              98WO-US024273
                                                                                                                     97US-0066029P
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                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                      WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
WO9925728-A1
                                                                              13-NOV-1998;
                                                                                                                     14-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-NOV-1997;
                                                                                                                                                                                                 Beeley NRA,
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                                       27-MAY-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY17597;
  AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                          Exendin, agonist, Heloderma sp, Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2005 13:32 Type: P Check: 126
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       from: 1
                  standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence: aay17596 ; Exendin agonist peptide #62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY17596 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 28; Fig 4; 144pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY17595 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                 98WO-US024273
                                                                                                                                                                                                                                                                                                                                                                                                                                        97US-0066029P
                                                                                                                                     Exendin agonist peptide #61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #62
                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            09-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       check: 404
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq5ags.pep"
TOIG of: aay17596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
                                                                                                                                                                                                                                                                             Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                        14-NOV-1997;
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Heloderma sp.
                                                                                                                                                                                                                                                                                                                     WO9925728-A1
                                                                                                                                                                                                                                                                                                                                                                                                 13-NOV-1998;
                                                                                              09-AUG-1999
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                                                                                                                                                                                                                                                           Synthetic.
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow
                                                                                                                                                                AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to rote diabetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                             Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                           AAY17592 Length: 28 February 4, 2005 13:32 Type: P Check: 666
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aay17593; Exendin agonist peptide #59. (from "seq5ags.pep")
TOIG of: aay17593 check: 227 from: 1
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                                                                                                                                     Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY17593 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                               AGDGTFTSDLSKQMEEEAVRLFIDWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
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                                                WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
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                MRA,
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                Beeley
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to: 28

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                   Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY17594 Length: 28 February 4, 2005 13:32 Type: P Check: 140 Found using 'seq5' (mohamed337.key)
                                                                  227
                                                                    Check:
                                                                     Type: P
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                                                                  28 February 4, 2005 13:32 (mohamed337.key)
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to:
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(from "seq5ags.pep")
TOIG of: aay17595 check: 126 from: 1
                                                                                                                                                                                                       aay17594 ; Exemdin agonist peptide #60.
(from "seq5ags.pep")
TOIG of: aay17594 check: 140 from: 1
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                                                                                                                                 AGDGTFTSDLSKQLEEEAVRLFIDFLKN
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                                                                                                                                                                                                                                                                             AAY17594 standard; peptide; 28
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                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide #60.
                                                                                                                                                                                                                                                                                                                                            (first entry)
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                                                                                                                                                                                                1 match found in sequence:
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                                      Sequence 28 AA;
                                                                     AAY17593 Length:
Found using 'seq5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-NOV-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                              AAY17594;
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Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                         to: 28
                (from "seq5ags.pep")
TOIG of: aay17590 check: 1035 from: 1
                                          AAY17590 standard; peptide; 28 AA
         aay17590 ; Exendin agonist peptide #56
                                                                                                                                                                                                             98WO-US024273
                                                                                                                                                                                                                              97US-0066029P.
                                                                                              Exendin agonist peptide #56.
                                                                            (first entry)
                                                                                                                                                                                                                                                                Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
1 match found in sequence:
                                                                            09-AUG-1999
                                                                                                                                                         Heloderma sp
                                                                                                                                                                          WO9925728-A1
                                                                                                                                                                                                             13-NOV-1998;
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                                                                                                                                                                                            27-MAY-1999.
                                                                                                                                                  Synthetic.
                                                            AAY17590;
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Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.

Claim 28; Fig 4; 144pp; English.

WPI; 1999-347456/29.

AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)

Sequence 28 AA;

Check: 1035 Type: P 2005 13:32 AAY17590 Length: 28 February 4, ound using 'seq5' (mohamed337.key) Found

AGDGTFTSDLSKQMEEEAVRLFXEWLKN

aay17591 ; Exendin agonist peptide #57 check: 596 match found in sequence: (from "seq5ags.pep" TOIG of: aay17591

28

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AAY17591;

(first entry)

09-AUG-1999

AAY17591 standard; peptide; 28

Exendin agonist peptide #57

Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II; hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying, stomach emptying.

Synthetic. Heloderma sp.

WO9925728-A1

27-MAY-1999

98WO-US024273. 13-NOV-1998;

97US-0066029P. (AMYL-) AMYLIN PHARM INC. 14-NOV-1997;

Prickett KS; Beeley NRA,

WPI; 1999-347456/29.

Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.

Claim 28; Fig 4; 144pp; English.

AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Maxico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)

Sequence 28 AA;

296 AAY17591 Length: 28 February 4, 2005 13:32 Type: P Check: Found using 'seq5' (mohamed337.key)

|-----AGDGTFTSDLSKQLEEEAVRLFXBFLKN

to: 28 check: 666 from: 1 1 match found in sequence:
 aay17592 ; Exendin agonist peptide #58.
(from "seq5ags.pep")
 TOG of: aay17592 check: 666 from: 1

AAY17592 standard; peptide; 28 AA (first entry) 09-AUG-1999 AAY17592;

Exendin agonist peptide #58.

Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Synthetic. Heloderma sp.

WO9925728-A1

27-MAY-1999

98WO-US024273 13-NOV-1998; 97US-0066029P. 14-NOV-1997;

(AMYL-) AMYLIN PHARM INC.

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AAY17589;
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Found using
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                    Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                    AAY17587 Length: 28 February 4, 2005 13:32 Type: P Check: 647 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                  from: 1
                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aay17588; Exendin agonist peptide #54.
[from "seq5ags.pep"]
TOIG of: aay17588 check: 989 from: 1
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                                                                                                                                                 Claim 28; Fig 4; 144pp; English.
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                                                                                                                                                                                                                                                                                                              AGDGTFTSDLSKOLEEEAVRLXIEFLKN
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                   98WO-US024273
                                       97US-0066029P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide #54.
                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
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                                                                               Prickett KS;
                                                           (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                    Sequence 28 AA;
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                                      14-NOV-1997;
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                   13-NOV-1998;
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                                                                            NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27-MAY-1999
27-MAY-1999
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                                                                               Beeley
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide agonists of exendin - delay stomach emptying, for treating
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                                                                                                                                                                                                                                                                                                                                        Check: 989
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g 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                        Type: P
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                                                                                                                                                                                                                                                                                                                                        AAY17588 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               aay17589 ; Exendin agonist peptide #55.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY17589 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                AGDGTFTSDLSKQMEEEAVRLFVEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq5ags.pep")
TOIG of: aay17589 c
                                                                                                                                                                                                                                                                       Sequence 28 AA;
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(first entry)

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Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                                            diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                      Claim 28; Fig 4; 144pp; English.
                                                                Exendin agonist peptide #52
                                                                                                                                                                                                                                                                                                              Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                        WPI; 1999-347456/29.
                                                                                                                                                          Heloderma sp
                                                                                                                                                                                                                                   13-NOV-1998;
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                                       09-AUG-1999
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                                                                                                                                            Synthetic
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             AAY17586;
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 AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They an also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                 Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Peptide agonists of exendin - delay stomach emptying, for treating
                          Check: 459
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                         Type: P
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                          2005 13:32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                    check: 20 from: 1
                                                                                                                              match found in sequence:
aay17585 ; Exendin agonist peptide #51
                                                                                                                                                                                             AAY17585 standard; peptide; 28 AA
                                                                          AGDGTFTSDLSKQMEBEAVRAFIEWLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 28; Fig 4; 144pp; English
                         AAY17584 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                          Exendin agonist peptide #51
                                                                                                                                                                                                                                               09-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prickett KS;
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TOIG of: aay17585
Sequence 28 AA;
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98WO-US024273. 97US-0066029P

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or they can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                      Length: 28 February 4, 2005 13:32 Type: P
y 'seq5' (mohamed337.key)
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aay17587; Exendin agonist peptide #53.
(from "seq5ags.pep")
TOIG of: aay17587 check: 647 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY17587 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                           AGDGTFTSDLSKOMBEEAVRLXIEWLKN
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                                                                                                                                                                               Sequence 28 AA;
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Heloderma sp
                                                                                                                                                                                                                                               Found using 'seq5
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to: 28

(from "seq5ags.pep") TOIG of: aay17586 check: 1086 from: 1

AAY17586 standard; peptide; 28 AA

a

match found in sequence: aay17586 ; Exendin agonist peptide #52

AGDGTFTSDLSKQLEEEAVRAFIEFLKN 28

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                           Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                   AAY17582 Length: 28 February 4, 2005 13:32 Type: P Check: 350 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                        check: 9911 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                   aay17583; Exendin agonist peptide #49. (from "seq5ags.pep")
TOIG of: aay17583 check: 9911 from:
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                                                                                                                                                                                                         Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY17583 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                          AGDGTFTSDLSKQMEEEAVALFIEWLKN
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                                                                                  98WO-US024273
                                                                                                    97US-0066029P
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                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
                                                                                                                                                          WPI; 1999-347456/29.
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                            Heloderma sp
                                                                                  13-NOV-1998;
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                                                                27-MAY-1999
                                                                                                                                         Beeley NRA,
                   Synthetic
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                              AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat disbetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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                                                               Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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TOIG of: aay17584 check: 459 from: 1
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                                                                                                                                                                         Claim 28; Fig 4; 144pp; English
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WPI; 1999-347456/29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Found using 'seq5'
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found in sequence:

match

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peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be affect in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II, hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying, stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                Type: P Check: 183
                                                                                                                                                                                                                                                                                                                                                                28
                                                                                                                                                                February 4, 2005 13:32
                                                                                                                                                                                                                                                                                                                                                                 to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                        match found in sequence:
aay17580; Exendin agonist peptide #46.
(from "seq5ags.pep")
TOIG of: aay17580 check: 291 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                 AAY17580 standard; peptide; 28 AA
                                                                                                                                                                                                                                  AGDGTFTSDLSKQLEEAAVRLFIEFLKN
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                                                                                                                                                                                Found using 'seq5' (mohamed337.key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98WO-US024273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide #46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-AUG-1999 (first entry)
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                                                                                                                                                                AAY17579 Length: 28
                                                                                                                               Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY17580;
   8888888
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AAY17580 Length: 28 February 4, 2005 13:32 Type: P Check: 291 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQMEEEAARLFIEWLKN

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                        Exendin, agonist, Heloderma sp; Gila monster, venom; lizard, diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Check: 9852
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                               to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    diabetes and hypo- or hyper-glycemia.
                              TOIG of: aay17581 check: 9852 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
ayy17882 ; Exendin agonist peptide #48.
from "seq5ags.pep")
TOIG of: aay17882 check: 350 from: 1
aay17581 ; Exendin agonist peptide #47.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 28; Fig 4; 144pp; English.
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                                                                                                                                                                                                                                                                                                                                                                           98WO-US024273
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                                                            AAY17581 standard; peptide;
                                                                                                                                                            Exendin agonist peptide #47.
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                                                                                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                           Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                         13-NOV-1998;
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                                                                                                                                                                                                                                                          Synthetic
                                                                                            AAY17581;
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CXSXTTTXBXBXBXBXBXBXBXBXBXBXBXBXBXCCX
#X#X#X#X#X#X##X
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                              Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                              Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aay17578 ; Exendin agonist peptide #44
(from "seq5ags.pep")
TOIG of: aay17578 check: 622 from: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY17578 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                             Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          AGDGTPTSDLSKOLEAEAVRLFIEFLKN
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                                                                                                                                                                              97US-0066029P
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                             Exendin agonist peptide #43
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          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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                                                                                                  Heloderma sp
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          09-AUG-1999
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                                                                                        Synthetic.
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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aay17579; Exendin agonist peptide #45.
(from "seq5ags.pep")
TOIG of: aay17579 check: 183 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY17579 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                    Claim 28; Fig 4; 144pp; English.
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98WO-US024273.
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                                                    97US-0066029P.
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                                                                                                               (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
Heloderma sp.
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13-NOV-1998;
                                                       14-NOV-1997;
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
               Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aay17575; Exendin agonist peptide #41.
(from "seq5ags.pep")
TOIG of: aay17575 check: 191 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY17575 standard; peptide; 28 AA
                                                                     Claim 28; Fig 4; 144pp; English
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                   Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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AAY17575 Length: 28 February 4, 2005 13:32 Type: P Check: 191 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                       t0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   diabetes and hypo- or hyper-glycemia.
                                                                                                                                  match found in sequence:
aay17576; Exendin agonist peptide #42.
(from "seq5ags.pep")
TOIG of: aay17576 check: 626 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 check: 187 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aay17577 ; Exendin agonist peptide #43.
                                                                                                                                                                                                                    AAY17576 standard; peptide; 28 AA
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                                                                  ÅGDGTFTSDLSKQLAEEAVRLFIEFLKN
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g 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq5ags.pep")
TOIG of: aay17577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Found using 'seq5'
                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO9925728-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27-MAY-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                    AAY17576;
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Synthetic

AAY17572;

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                             Peptide agonists of exendin - delay stomach emptying, for treating
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY17573 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                diabetes and hypo- or hyper-glycemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
aay17574 ; Exendin agonist peptide #40.
(from "seq5ags.pep")
TOIG of: aay17574 check: 630 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY17574 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                     Claim 28; Fig 4; 144pp; English
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                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
                        Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma sp.
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                                                              WO9925728-A1
                                                                                                                                          13-NOV-1998;
                                                                                                                                                                                  14-NOV-1997;
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                                                                                                   27-MAY-1999.
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    Synthetic.
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    AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                        Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY17572: Length: 28 February 4, 2005 13:32 Type: P Check: .606 Found using 'seq5' (mohamed337.key)
                                           to: 28
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                                         from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               aay17573 ; Exendin agonist peptide #39. (from "seq5ags.pep")
TOIG of: aay17573 check: 181 from: 1
aay17572 ; Exendin agonist peptide #38
  (from "seq5ags.pep")
TOIG of: aay17572 check: 606 from: 1
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                                                                                AAY17572 standard; peptide; 28
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                                                                                                                                                                                                     Exendin agonist peptide #38
                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                             Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-NOV-1997;
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AAY17573;

Check: 181

Type: P

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Found
8886888
                                                                                                                                                                                                                           AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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                                                                                        stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for treating
                                                                                                                                                                                                                                                          Check:
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                                                                                                                                                                                                                                                          AAY17569 Length: 28 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
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                                                                                       Peptide agonists of exendin - delay s diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                   from: 1
                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
aay17570 ; Exendin agonist peptide #36.
                                                                                                                                                                                                                                                                                                                                                                                                         AAY17570 standard; peptide; 28 AA
                                                                                                                        Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 28; Fig 4; 144pp; English
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97US-0066029P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #36.
                                                                                                                                                                                                                                                                                                                                                                                   check: 522
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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                      (AMYL-) AMYLIN PHARM INC.
                                           Prickett KS;
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                                                                 WPI; 1999-347456/29.
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TOIG of: aay17570
                                                                                                                                                                                                                                     Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Heloderma sp.
14-NOV-1997;
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                                            seeley NRA,
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to read diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                            studies on
to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
aay17571 ; Exendin agonist peptide #37.
(from "seq5ags.pep")
TOIG of: aay17571 check: 97 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY17571 standard; peptide; 28 AA
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AGDGTFTSDLSKQAEEEAVRLFIEWLKN
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                                                                                                                                                      Sequence 28 AA;
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Times:
STT SUBBERES
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                                                                                                                                                                         This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the SWBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin-4.
Serine amide (G-87 provides amide group).
           Neidigh J.W., Fesinmeyer R.M., Prickett K.S., Andersen N.H.;
"Exendin-4 and glucagon-like-peptide-1: NMR structural comparisons in
the solution and micelle-associated states.";
Biochemistry 40:13188-13200(2001).
-!- FUNCTION: Has a VIP/secretin-like biological activity. Interacts
with the exendin receptor.
-!- SUBCELLULAR LOCATION: Secreted.
-!- TISSUE SPECIFICITY: Expressed by the venom gland.
-!- SIMILARITY: Belongs to the glucagon family.
                                                                                                                                                                                                                                                                                                                                          PDB; 1JRJ; NRR; A=48-86.
InterPro; IPR000532; Glucagon.
Pfam; PF00123; Hormone 2; 1.
SMART; SM00070; GLUCA; 1.
3MART; SM0060; GLUCAGON; 1.
3D-structure; Amidation; Direct protein sequencing; Glucagon family;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma horridum (Mexican beaded lizard).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Lepidosauria; Squamata; Scleroglossa; Anguimorpha; Helodermatidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HELSU Length: 87 February 4, 2005 13:47 Type: P Check: 973 using 'seg5' (mohamed337.key)
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Chen T., Kwok H., Shaw C.;
Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AJS80309; CAE30483.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9479 MW; 656BA6E3D87454A2 CRC64;
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01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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PubMed=11683627; DOI=10.1021/bi0109028;
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TOIG of: q7szu6 chec
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MKIILWLCVFGLFLATLFPVSWQMPVESGLSSEDSASSESFASKIKRHSDGTFTSDLSKQ
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48 86 exendin 3.
87 AA; 9481 MW; E66FA6F15AE5F127 CRC64;
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          GO; GO:0005576; C:extracellular; IEA.
GO; GO:0005179; F:hormone activity; IEA.
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                                             InterPro; IPR000532; Glucagon.
                                                            Pfam; PF00123; Hormone 2; 1.
SMART; SM00070; GLUCA; 1.
PROSITE; PS00260; GLUCAGON; 1.
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separate matches:
sequence hits saved:
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HSSP; P26349; 1JRJ.
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Selected scope is Sequence.
Selected sequence key from "mohamed337.key":
seq5 (AA) ID seq5 AA preliminary pattern
1 followed by
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List of hits
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Name and annotations
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                                                                                           Quick User-directed Expression Search Tool
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P20334;
01-FEB-1991 (Rel. 17, Created)
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Nucleic acid code matching
Find non-matching hits only
Report key used
Note position of hit
Display full annotations
Sequence context
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exe3helho; Exendin-3.
(from "seq5uni.pep")
TOIG of: exe3_helho chec
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SEQUENCE FROM N.A.
MEDLINE=97172477; PubMed=9020121; DOI=10.1074/jbc.272.7.4335;
Chen Y.E., Drucker D.J.;
Trisque-specific expression of unique mRNAs that encode proglucagon-derived peptides or exendin 4 in the lizard.";
J. Biol. Chem. 272:4108-4115(1997).
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Eng J., Kleinman W.A., Singh L., Singh G., Raufman J.-P.;

"Isolation and characterization of exendin-4, an exendin-3 analogue,

from Heloderma suspectum venom. Further evidence for an exendin

receptor on dispersed acini from guinea pig pancreas.";

J. Biol. Chem. 267:7402-7405(1992).
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Heloderma suspectum (Gila monster).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Lepidosauria; Squamata; Scleroglossa; Anguimorpha; Helodermatidae;
                                                                  Heloderna horridum horridum (Mexican beaded 11zard).
Bukaryote, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Lepidosauria, Squamata, Scleroglossa, Anguimorpha, Helodermatldae,
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InterPro; IPR00532; Glucagon.
Pfam; PF00123; Hormone_2; 1.
SWART; SM00070; GLUCA; 1.
PROSITE; PS00260; GLUCAGON; 1.
Amidation; Direct protein sequencing; Glucagon family; Toxin.
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39 AA; 4204 MW; A44251D3A4B1D1B9 CRC64;
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15-JUL-1998 (Rel. 36, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
01-FEB-1991 (Rel. 17, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
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exe4helsu ; Exendin-4 precursor.
(from "seq5uni.pep")
TOIG of: exe4_helsu check: 973
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                                                          Exendin-3.
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C;Species: Heloderma horridum (Mexican beaded lizard)
C;Date: 31-Mar-1993 #sequence_revision 31-Mar-1993 #text_change 09-Jul-2004
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hwghlaz; TOIG of: hwghlaz check: 9591 from: 1
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C;Accession: A23674

R;Eng, J.; Andrews, P.C.; Kleinman, W.A.; Singh, L.; Raufman, J.P.
J. Biol. Chem. 265, 20259-20262, 1990

J. Biol. Chem. 265, 20259-20262, 1990

J. Airlie: Purification and structure of exendin-3, a new pancreatic secretagogue isolated from Heloderma horridum venom.

A;Reference number: A23674; MUID:91056067; PMID:1700785
                                                                                                                                                                                                                                                                              A; Molecule type: protein
A; Residues: 1-39 < ENGS
A; Residues: 1-39 < ENGS
A; Cross-references: UNIPROT: P20394
C; Comment: Exendins are venom components that are thought to bind to receptors for vasoactive intestinal peptide and/or secretin on pancreatic acinar cells and to activate adenylate cyclase, resulting in secretion of amylase.
C; Superfamily: glucagon
C; Keywords: amidated carboxyl end; duplication; secretagogue; venom
F; 39/Modified site: amidated carboxyl end (Ser) #status experimental
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A;Residues: 1.39 cRNO.
A;Crosa-references: UNIPROT:P26349
C;Comment: Exendin-4 does not stimulate amylase secretion by pancreatic acinar
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C;Species: Heloderma suspectum (Gila monster)
C;Date: 31-Mar-1993 #sequence_revision 31-Mar-1993 #text_change 09-Jul-2004
C;Accession: A42486
C;Accession: A42486
B;Eng, J.; Kleinman, W.A.; Singh, L.; Singh, G.; Raufman, J.P.
J. Biol. Chem. 267, 7402-7405, 1992
A;Title: Isolation and characterization of exendin-4, an exendin-3 analogue, from Heloderma suspectum venom. Further evidence for an exendin receptor on dispersed acini from guinea pig pancreas.
A;Reference number: A42486; MUID:92218391; PMID:1313797
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C;Superfamily: glucagon
C;Keywords: amidated carboxyl end; duplication; venom
F;39/Modified site: amidated carboxyl end (Ser) #status experimental
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HWGH3Z Length: 39 February 4, 2005 13:46 Type: P Check: 9591 Found using 'seq5' (mohamed337.key)
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00:00:00.00
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
   hwgh4g ; TOIG of: hwgh4g check: 9570 f
   (from "seq5pir.pep")
   TOIG of: hwgh4g check: 9570 from: 1
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separate matches:
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derived from Heloderma suspectum example. 1.29 mande derived from Heloderma suspectum example. 2 derived from Heloderma suspectum example. 3 in example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac callular secretion without inducing dangerous hypoglycaemia. They are effective at embranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) clevels substantially more than can be accomplished with insulin. High FFA levels become implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemia. The compounds can be administered by injection following an ischaemia crevent or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia,
                                                                                                                                                                                                                                                                             Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present sequence is that of 14Leu, 25Phe exendin-4 (1-28) amide
                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 23; 49pp; English.
                       17-DEC-2002; 2002US-0434508P.
19-DEC-2002; 2002US-0434888P.
                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                 Hathaway DR, Baron AD,
                                                                                                                                                                                                                          WPI; 2004-507584/48.
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Type: P Check: 261 ADQ28652 Length: 28 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQLEEEAVRLFIBFLKN 1

match found in sequence:
adq28653 ; 141eu,22Ala,25Phe exendin-4 (1-28) amide, useful as antiarrhythmic.
(from "seq5ags.pep") i4Leu,22Ala,25Phe exendin-4 (1-28) amide, useful as antiarrhythmic. to: 28 roig of: adg28653 check: 151 from: 1 ADQ28653 standard; peptide; 28 AA 23-SEP-2004 (first entry) ADQ28653;

Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic. note= "Wild-type Phe substituted by Ala" 'note= "Wild-type Met substituted by Leu" Location/Qualifiers 14 Heloderma suspectum Misc-difference 22 Misc-difference

notes "Wild-type Trp substituted by Phe"

Misc-difference 25

Modified-site

/note= "C-terminal amide"

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P. L7-DEC-2003; 2003WO-US040504. WO2004056313-A2. 08-JUL-2004. XXCXCCCCCCCCCCCCX8X47474X4X4X4XAXAXAX8X8XXAXAX8X8X

(AMYL-) AMYLIN PHARM INC.

Hathaway DR, Baron AD;

WPI; 2004-507584/48.

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure; SEQ ID NO 24; 49pp; English

The present sequence is that of 14Leu, 22Ala, 25Phe exendin-4 (1-28) amide derived from Heloderma suspectum exendin-4 ADD28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias.

The compositions comprise exendin, GLP-1, an incretin, a compound that binds in a compound that is a compound to a these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin ascretion without inducting dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinocropic action, and thereby reduce plasma free fatty acid (FFA) levels substantially more than can be accomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial schaemia. The compounds can be administered by injection following an ischaemia grafting or plasement of an intervention such as angiophasty, coronary bypass grafting or plasement of an interacoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia,

Sequence 28 AA;

ADQ28653 Length: 28 February 4, 2005 13:33 Type: P Check: 151 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLAIEFLKN

-- Search Statistics --

Total Elapsed 00:00:22.00 1153 1153 1153 00:00:02.02 sequence hits: separate matches: sequence hits saved: sequences searched: *** Number Number Number Number Times:

WPI; 2004-507584/48.

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention. Disclosure; SEQ ID NO 21; 49pp; English.

The present sequence is that of exendin-4 (1-28) amide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The compositions comprise exendin, Gib-1, an incretin, a compound that binds to a receptor for Gip-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular maintaining the reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (BFA) they have been accomplished with insulin. High FFA they are the control of the control levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia, and congestive heart failure.

Sequence 28 AA;

ADQ28650 Length: 28 February 4, 2005 13:33 Type: P Check: 700 ound using 'seq5' (mohamed337.key) Found using 'seq5'

HGEGTFTSDLSKOMEEEAVRLFIEWLKN

match found in sequence:
adq28651; 14Ieu.25Phe exendin-4 amide, useful as antiarrhythmic.
(from "seq5ags.pep")
TOIG of: adq28651 check: 9131 from: 1 to: 39

14Leu, 25Phe exendin-4 amide, useful as antiarrhythmic. ADQ28651 standard; peptide; 39 AA. 23-SEP-2004 (first entry) ADQ28651;

Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic. note= "Wild-type Met substituted by Leu" Location/Qualifiers 14 Heloderma suspectum Key Misc-difference

402004056313-A2

/note= "Wild-type Trp substituted by Phe"

Misc-difference 25

Modified-site

/note= "C-terminal amide".

08-JUL-2004

17-DEC-2003; 2003WO-US040504

2002US-0434508P. 2002US-0434888P. 17-DEC-2002; 19-DEC-2002;

(AMYL-) AMYLIN PHARM INC.

Baron AD; Hathaway DR,

WPI; 2004-507584/48

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure; SEQ ID NO 22; 49pp; English.

The present sequence is that of 14Leu, 25Phe exendin-4 amide derived from analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The compositions compression and treating cardiac arrhythmias. The compositions compression and treating cardiac arrhythmias. The compositions compression and treating cardiac arrhythmias. The compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by.potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical graddent across cardiac cellular.

Commons thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulintorropic action, and thereby reduce plasma free faity acid (FPA) insulintorropic action, and thereby reduce plasma free faity acid (FPA) insulintorropic action, and thereby reduce plasma free faity acid (FPA) insulintorropic action, and thereby reduce plasma free faity acid (FPA) insulintorropic action, and thereby reduce plasma free faity acid (FPA) is clevels have been implicated as a major toxic mechanism during myocardial ischaemia event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as angioplasty.

Cardiac ischaemia-reperfusion and congestive heart failure.

Sequence 39 AA;

ADQ28651 Length: 39 February 4, 2005 13:33 Type: P Check: 9131 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPPS

match found in sequence:
adq2862, 1 Aireu,25Phe exendin-4 (1-28) amide, useful as antiarrhythmic.
(from "seq5ags.ppg")
TOIG OF: adq28652 check: 261 from: 1 to: 28

ADQ28652 standard; peptide; 28 AA. ADQ28652;

(first entry) 23-SEP-2004 14Leu, 25Phe exendin-4 (1-28) amide, useful as antiarrhythmic.

Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic.

Heloderma suspectum.

'note= "Wild-type Met substituted by Leu" /note= "Wild-type Trp substituted by Phe" /note= "C-terminal amide" Location/Qualifiers Misc-difference 25 Misc-difference Modified-site

WO2004056313-A2 08-JUL-2004

17-DEC-2003; 2003WO-US040504

WPI; 2004-507584/48.

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The present sequence is that of exendin-4 (1-30) peptide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or variant of the exemple of the invention of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac callular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia,
                          Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin-4 (1-30); antiarrhythmic; cardiovascular-gen.; vasotropic.
                                                                                                                                                                                                                                                                                                                                                                                                                                        ADQ28648 Length: 30 February 4, 2005 13:33 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
   adq28649 ; Exendin-4 (1-30) amide, useful as antiarrhythmic.
   (from "seq5ags.pep")
   TOIG of: adq28649 check: 4889 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin-4 (1-30) amide, useful as antiarrhythmic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                Disclosure; SEQ ID NO 19; 49pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG
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19-DEC-2002; 2002US-0434888P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Baron AD;
WPI; 2004-507584/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Heloderma suspectum,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2004056313-A2.
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 30 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-JUL-2004.
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The present sequence is that or exemble the sample of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arithythmias. The compositions comprise exendin, GLP-1, or an agonist, analogue, derivative or variant to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) clevels substantially more than can be accomplished with insulin. High FPA levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemia cevent or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intervention such as angioplasty, coronary bypass grafting or placement of an intervention such as cardiac ischaemia, cardiac or cardiac ischaemia, cardiac ischaemia, cardiac ischaemia, cardiac isch
Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.
                                                                                                                                                                                                                                                                                                                                                 The present sequence is that of exendin-4 (1-30) amide derived from
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADQ28649 Length: 30 February 4, 2005 13:33 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)
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adq28560 ; Exendin-4 (1-28) amide, useful as antiarrhythmic.
(from "seq5ags.pep")
TOIG of: adq28650 check: 700 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin-4 (1-28) amide, useful as antiarrhythmic.
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                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 20; 49pp; English.
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19-DEC-2002; 2002US-0434888P.
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Modified-site
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Baron AD;

Hathaway DR,

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The present sequence is that of the exendin-3 peptide of Heloderma harridum. This is a glucose-dependent insulinotropic peptide that enhances peripheral glucose uptake without inducing dangerous changerous properties and treating cardiac arrhythmias. The compositions for preventing and treating cardiac arrhythmias. The compositions comprise exendin, Ghr-1, an inoretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance compounds or their biologically active fragments. These compounds enhance inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby caughters glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FRA) levels substantially more than can be accomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemia. The compounds can be administered by injection following an ischaemia cor placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia, cardiac ischaemia, cardiac ischaemia, cardiac ischaemia.
                                                                                                                                               Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type: P Check: 9591
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TOIG of: adq28643 check: 9570 from: 1 to: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |-----|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 12; 49pp; English
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39
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2002US-0434888P,
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   Baron AD
                                                                         WPI; 2004-507584/48.
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Modified-site
Hathaway DR,
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19-DEC-2002;
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glucose-dependent insulinotropic peptide that enhances peripheral glucose-dependent insulinotropic peptide that enhances peripheral glucose uptake without inducing dangerous hyperglycaemia. The present insulinotropic peptide that enhances peripheral glucose uptake without inducing dangerous hyperglycaemia. The present cardiac arrhythmias. The compositions compurise exendin, GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) levels shave been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as
                                                                                                                                                                                                                                  present sequence is that of exendin-4 of Heloderma suspectum. This is
                                                                                                    Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia-reperfusion and congestive heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin-4 (1-30); antiarrhythmic; cardiovascular-gen.; vasotropic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADQ28643 Length: 39 February 4, 2005 13:33 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
adq26848; Exendin-4 (1-30) peptide, useful as antiarrhythmic.
(from "seq5ags.pep")
TOIG of: adq28648 check: 4889 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin-4 (1-30) peptide, useful as antiarrhythmic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                        Disclosure; SEQ ID NO 14; 49pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hathaway DR, Baron AD;
                                                            WPI; 2004-507584/48.
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19-DEC-2002;
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The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of prevention or treatment of reduced vasodilatory capacity; reducing proteinuria, and preventing or slowing progression of glomerulosing proteinuria, and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an axendin analogue peptide, which is given in the exemplification of the present invention. Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy. Mistry M, Roman RJ; Disclosure; SEQ ID NO 23; 50pp; English. Hathaway DR, WPI; 2004-507586/48. Baron AD,

ADP86550 Length: 28 February 4, 2005 13:33 Type: P Check: 261 Found using 'seq5' (mohamed337.key)

|------| HGEGTFTSDLSKQLEEEAVRLFIEFLKN 1

match found in sequence:
apple551; Exendin-4 analogue peptide SEQ ID NO:24.
(from "seq5ags.pep")
TOIG Of: adp8651 check: 151 from: 1 to: 28 ADP86551 standard; peptide; 28 AA.

23-SEP-2004 (first entry)

ADP86551;

Exendin-4 analogue peptide SEQ ID NO:24.

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension

Synthetic

Location/Qualifiers /note= "amidated" Key Modified-site

WO2004056317-A2.

08-JUL-2004

19-DEC-2003; 2003WO-US040713.

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

Roman RJ; Hathaway DR, Mistry M, Baron AD,

WPI; 2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 24; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, nailogue, derivative or variant or fragment (1), that is used in the manufacture of a medicament for the prevention or treatment of control or treatment of nephropathy. (1) has nephrotropic, antidiabetic and hypotensive control or treatment of nephropathy; preventing progression of prevention or treatment of nephropathy; preventing progression of compounds to end stage renal disease (ESRD); improving endothelial representation in the treatment of reduced vasodilatory capacity; reducing procremation in the treatment of reduced vasodilatory capacity; reducing procremation in the treatment of reduced vasodilatory capacity; reducing procremation in the treatment of reduced vasodilatory capacity; reducing procremation and preventing or slowing progression of glomeruloscierosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothalial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the exemplification of the present invention.

Sequence 28 AA;

ADP86551 Length: 28 February 4, 2005 13:33 Type: P Check: 151 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLAIEFLKN

to: 39 adq28641; Exendin-3, useful as antiarrhythmic. (from "seq5ags.pep")
TOIG of: adq28641 check: 9591 from: 1 to: 3 1 match found in sequence:

ADQ28641;

ADQ28641 standard; peptide; 39 AA.

(first entry) 23-SEP-2004 Exendin-3, useful as antiarrhythmic.

Exendin-3; antiarrhythmic; cardiovascular-gen.; vasotropic.

Heloderma horridum.

/note= "C-terminal amide" Location/Qualifiers 39 Key Modified-site

WO2004056313-A2.

08-JUL-2004.

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

(AMYL-) AMYLIN PHARM INC.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is cused in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephropathy, antidiabetic and hypotenaive activities. (I) can be used in the manufacture of a medicament for the prevention or treatment. of nephropathy; preventing progression of cuephropathy to end stage renal disease (ESRD); improving endothelial correction in the treatment of reduced vasodilatory capacity; reducing function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis compounds act in part by improving insulin resistance, diabetes and hypertension. The compounds act in part by improving glucose oxidation; including that by hypertension and/or by facilitating glucose oxidation; including that by conforted is and reduces oxidation of Arp for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the had presente an exendin analogue peptide, which is given in the had presente an exendin analogue peptide, which is given in the had act the present invention. in the exemplification of the present invention. Disclosure; SEQ ID NO 21; 50pp; English

Sequence 28 AA;

ADP86548 Length: 28 February 4, 2005 13:33 Type: P Check: 700 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLF1EWLKN

match found in sequence: adp86549; Exendin-4 analogue peptide SEQ ID NO:22. (From "seq5ags.pep") TOIG of: adp86549 check: 9131 from: 1 to: 39

ADP86549 standard; peptide; 39 AA. 23-SEP-2004 ADP86549;

hypertension. Synthetic Location/Qualifiers /note= "amidated" Key Modified-site

08-JUL-2004

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

Roman RJ; Mistry M, Baron AD, Hathaway DR,

WPI; 2004-507586/48.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (1), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (1) has nephrotropic, antidiabetic and hypotensive of nephropathy. (1) can be used in the manufacture of a medicament for the activities. (1) can be used in the manufacture of an edicament for the prevention or treatment of nephropathy; preventing progression of prevention or treatment of reduced vascadilatory capacity; reducing conteniuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving induces exidation; including that by compounds act in part by improving glucose exidation; including that by endothelial cells in the kidney and by other cells, rather by exidation confine fee fatty acids; and so leads to an enhanced production of ATP for the present seem sequence represents an exendin analogue peptide, which is given the present invention.

Sequence 39 AA;

ADP86549 Length: 39 February 4, 2005 13:33 Type: P Check: 9131 Found using 'seq5' (mohamed337.key)

1 match found in sequence: adp86550; Exendin-4 analogue peptide SEQ ID NO:23. ; ; from: 1 ADP86550 standard; peptide; 28 AA check: 261 (from "seq5ags.pep") TOIG of: adp86550

28

ADP86550;

(first entry) 23-SEP-2004 Exendin-4 analogue peptide SEQ ID NO:23.

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension

Synthetic

Location/Qualifiers 28 /note= "amidated" 19-DEC-2003; 2003WO-US040713 WO2004056317-A2. Key Modified-site 08-JUL-2004.

2002US-00741534. 2003US-00740146. 19-DEC-2002; 17-DEC-2003;

(AMYL-) AMYLIN PHARM INC.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure, SEQ ID NO 22; 50pp; English

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS

Exendin-4 analogue peptide SEQ ID NO:22. (first entry)

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes;

WO2004056317-A2

19-DEC-2003; 2003WO-US040713.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive activities. (I) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy, preventing progression of prevention or treatment of nephropathy; preventing progression of comproperty to end stage renal disease (ESRD); improving endothelial contention in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis compounds act in part by improving insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose exidation; including that by endothelial cells in the kidney and by other cells, rather by exidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces exidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the ball of the present sequence of the acids the present sequence represents an exendin analogue peptide, which is given in the side parts and sequence of the acids the present sequence of the prese Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy. in the exemplification of the present invention Disclosure; SEQ ID NO 19; 50pp; English.

Sequence 30 AA;

ADP86546 Length: 30 February 4, 2005 13:33 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG

. match found in sequence: adp86547; Exendin-4 analogue peptide SEQ ID NO:20. (from "seq5ags.pep") TOIG of: adp86547 check: 4889 from: 1 to: 30 ADP86547 standard; peptide; 30 AA ADP86547;

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotenaive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension. Exendin-4 analogue peptide SEQ ID NO:20. 23-SEP-2004 (first entry)

Location/Qualifiers /note= "amidated" Modified-site Synthetic

WO2004056317-A2

19-DEC-2003; 2003WO-US040713. 08-JUL-2004.

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

Roman RJ; Hathaway DR, Mistry M, Baron AD,

WPI; 2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 20; 50pp; English

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive of nephropathy. (I) can be used in the manufacture of a medicament for the cortivities. (I) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of prevention or treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis or associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the exemplification of the present invention.

Sequence 30 AA;

ADP86547 Length: 30 February 4, 2005 13:33 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEBAVRLFIEWLKNGG

match found in sequence: adp86548 ; Exendin-4 analogue peptide SEQ ID NO:21.

: to

check: 700 from: 1

(from "seq5ags.pep") TOIG of: adp86548 c

ADP86548 standard; peptide; 28 AA

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; Exendin-4 analogue peptide SEQ ID NO:21. (first entry) 23-SEP-2004 hypertension Synthetic ADP86548;

Location/Qualifiers /note= "amidated" 19-DEC-2003; 2003WO-US040713. 19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146. WO2004056317-A2 Modified-site 08-JJL-2004. Key

Hathaway DR, Mistry M, Roman RJ; (AMYL-) AMYLIN PHARM INC Baron AD,

WPI; 2004-507586/48

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 12; 50pp; English.

their agonist, an accompound that binds to a receptor for Gib-1, or their agonist, analogue, derivative or variant or fragment (1), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (1) has nephrotropic, antidiabetic and hypotensive activities. (1) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of nephropathy to end stage renal disease (BSRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial calls in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin-3 peptide, which is given in the present invention describes an incretin, a glucagon-like peptide-1 exemplification of the present invention

Sequence 39 AA;

ADP86539 Length: 39 February 4, 2005 13:33 Type: P Check: 9591 Found using 'seq5' (mchamed337.key)

HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS

match found in sequence:
adp86541, Exendin-4 peptide SEQ ID NO:14.
(from "eq5ags.pep")
TOIG of: adp86541 check: 9570 from: 1 t ADP86541 standard; peptide; 39 AA

to: 39

ADP86541;

Exendin-4 peptide SEQ ID NO:14.

23-SEP-2004 (first entry)

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension

Synthetic

Location/Qualifiers /note= "amidated" Modified-site

WO2004056317-A2

08-JUL-2004

19-DEC-2003; 2003WO-US040713

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

Mistry M, Hathaway DR, Baron AD,

WPI; 2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 14; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive of nephropathy to end stage renal disease (ESRD); improving endothelial repertation in the treatment of reduced vasodilatory capacity; reducing proteinuria, and preventing or slowing progression of glomerilosic proteinuria, and preventing or alowing progression of glomerilosic compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represent invention. 8X5CCCCCCCCCCCCCCXXXXXXXXXX

Sequence 39 AA;

ADP86541 Length: 39 February 4, 2005 13:33 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence: adp86546 ; Exendin-4 analogue peptide SEQ ID NO:19. to: 30 check: 4889 from: 1 n "seq5ags.pep") of: adp86546 c

ADP86546;

ADP86546 standard; peptide; 30 AA

Exendin-4 analogue peptide SEQ ID NO:19.

(first entry)

23-SEP-2004

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephroropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension.

Synthetic

WO2004056317-A2.

08-JUL-2004

19-DEC-2003; 2003WO-US040713.

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC

WPI; 2004-507586/48.

Hathaway DR, Mistry M, Roman RJ; Baron AD,

WPI; 2004-468706/44.

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from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibite at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type 2 diabetres in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular ovalation in a subject suffering from PCOS; restoring fertility in a subject suffering from PCOS invention apontaneous abortion in a subject suffering from PCOS. The nothod is useful in treating a subject suffering from PCOS. The PCOS. The method is useful in treating a subject suffering from PCOS. The polycystic ovary syndrome (PCOS) for reducing insulin resistance,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
adp48990 ; Gila monster amidated 14-Leu, 22-Ala, 25-Phe exendin-4 (1-28) pepti
(from "seg5ags.pep")
                                                                                                                                                                                                                                              preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gila monster amidated 14-Leu, 22-Ala, 25-Phe exendin-4 (1-28) peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 note= "The wild-type residue has been substituted by
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                                                                                                                                                                                                                                                                                                                                                                                         ADP48989 Length: 28 February 4, 2005 13:33 Type: P Check: 261
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beeley NRA, Prickett K, Young A, Hathaway DR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADP48990 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-JUL-2003; 2003WO-US023715.
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14-JAN-2003; 2003WO-US001109.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-SEP-2004 (first entry)
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Misc-difference
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                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
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The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCGS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a compound consisting of exendin, or its agonists or analogues, having a compound consisting of exendin, where the subject exhibits at least cone symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type diabetes in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular ovalation in a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from proyestic ovary syndrome (PCOS) for reducing insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovalation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
                             Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADP48990 Length: 28 February 4, 2005 13:33 Type: P Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . match found in sequence: adp86539 ; Exendin-3 peptide SEQ ID NO:12.
                                                                                                                           Claim 1; SEQ ID NO 19; 65pp; English.
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17-DEC-2003; 2003US-00740146.
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                                                                                        its agonist or analog
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TOIG of: adp86539
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
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Modified-site
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                                   Treating
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abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Treating a subject suffering from polycystic ovary syndrome (PC reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of
                                                                                                                                    Check: 700
                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
adp48988 ; Gila monster amidated 14-Leu, 25-Phe exendin-4 peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gila monster amidated 14-Leu, 25-Phe exendin-4 peptide.
                                                                                                                                    Type: P
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                                                                                                                                 28 February 4, 2005 13:33 (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADP48988 standard; peptide; 39 AA
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14-JAN-2003; 2003WO-US001109.
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TOIG of: adp48988 c
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                                                                               Sequence 28 AA;
                                                                                                                                 ADP48987 Length:
Found using 'seq5'
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or
suffering from PCOS; restoring fertility in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat PCOS. The method is useful in treating a subject suffering from polycystic ovary. syndrome (PCOS) for reducing insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses, restoring regular menses, restoring regular actions and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a novel method for treating a subject suffering
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4; mutant; mutein.
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                                                                                                                                                                                                                                                                                                                                                                                                      . match found in sequence:
adp48889; Gila monster amidated 14-Leu, 25-Phe exendin-4 (1-28) peptide.
(from "seq5ags.pep")
TOIG of: adp48899 check: 261 from: 1 to: 28
                                                                                                                                                                                                                                             Check: 9131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gila monster amidated 14-Leu, 25-Phe exendin-4 (1-28) peptide.
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                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                           ADP48988 Length: 39 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)
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14-JAN-2003; 2003WO-US001109.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADP48989 standard; peptide;
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                                                                                                                                                                                                         Sequence 39 AA;
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The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonises or analogues, having a compound consisting of exendin, or its agonises or analogues, having a compound of processing the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS; restoring from PCOS; restoring from processing fertility in a subject suffering from PCOS.

The method is useful in treating a subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from processing fr
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abortion in a subject. This sequence represents an exendin peptide used
in the treatment of polycystic ovary syndrome of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4.
                                                                                                                                           ADP48985 Length: 30 Pebruary 4, 2005 13:33 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                           match found in sequence: adp48986 ; Gila monster amidated exendin-4 peptide (1-30). (from "seq5ags.pep")
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                                                                                                                                                                                                                                   HGEGTFTSDLSKQMBEEAVRLFIEWLKNGG
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14-JAN-2003; 2003WO-US001109.
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                                                                                    Sequence 30 AA;
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The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists an analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type 2 diabetes in a subject suffering from PCOS; restoring the onset of type a subject suffering from PCOS; restoring from PCOS; restoring fertility in a subject suffering from PCOS cuffering from PCOS. The novel compounds of the invention and be used in gene therapy to treat pCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous
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abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin; type-2 diabetes; ovulation; gene therapy; insulin resistance;
                                                                                                    ADP48986 Length: 30 February 4, 2005 13:33. Type: P Check: 4889 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                      1 match found in sequence:
   adp48987; Gila monster amidated exendin-4 peptide (1-28).
   (from "seq5ags.pep")
   TOIG of: adp48987 check: 700 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                             ADP48987 standard; peptide; 28 AA.
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HGEGTFTSDLSKQMEBEAVRLFIEWLKNGG
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14-JAN-2003; 2003WO-US001109.
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                                                               Sequence 30 AA;
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Modified-site
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PCOS. The method is useful in treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.

888888888

Sequence 39 AA;

ADP48978 Length: 39 February 4, 2005 13:33 Type: P Check: 9591 Found using 'seq5' (mohamed337.key)

HSDGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence: adp48980 ; Gila monster amidated exendin-4 peptide, SEQ ID 9. to: 39 from: 1 check: 9570 (from "seq5ags.pep") TOIG of: adp48980 c

ADP48980 standard; peptide; 39 AA. (first entry) 09-SEP-2004 ADP48980;

Gila monster amidated exendin-4 peptide, SEQ ID 9.

polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4.

Heloderma suspectum

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2004052390-A1.

24-JUN-2004.

30-JUL-2003; 2003WO-US023715.

11-DEC-2002; 2002US-00317126. 14-JAN-2003; 2003WO-US001109.

(AMYL-) AMYLIN PHARM INC

Hathaway DR;

Young A,

WPI; 2004-468706/44.

Beeley NRA, Prickett K,

ö Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin spontaneous abortion l its agonist or analog

Disclosure; SEQ ID NO 9; 65pp; English.

The invention relates to a novel method for treating a subject suffering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type 2 diabetes in a subject suffering from PCOS; preventing the onset of type subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular ownlation in a subject suffering from PCOS; restoring from PCOS. The necessary of the invention in a subject suffering from PCOS.

pcOS. The method is useful in treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.

Sequence 39 AA; 8888888888 ADP48980 Length: 39 February 4, 2005 13:33 Type: P Check: 9570 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence:
adp48985; fila monster exendin-4 peptide (1-30)
(from "sed5989.pp")
TOIG OF: adp48985 check: 4889 from: 1 to: 30

ADP48985 standard; peptide; 30 AA.

ADP48985;

(first entry) 09-SEP-2004 Gila monster exendin-4 peptide (1-30).

polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4.

Heloderma suspectum

WO2004052390-A1.

24-JUN-2004.

30-JUL-2003; 2003WO-US023715.

11-DEC-2002; 2002US-00317126 14-JAN-2003; 2003WO-US001109

(AMYL-) AMYLIN PHARM INC

Hathaway DR; Young A, Prickett K, Beeley NRA,

WPI; 2004-468706/44.

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog

Claim 1; SEQ ID NO 14; 65pp; English.

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least cone symptom of PCOS. The invention further relates to: reducing insulin one symptom of PCOS. The invention from PCOS; preventing the onset of type can be subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring from PCOS. The conventing spontaneous abortion in a subject suffering from PCOS or in a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The pCOS. The method is useful in treating a subject suffering from PCOS. The preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous

|-----| HGEGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

match found in sequence: adp20988 ; Gila monster lizard venom isolated 39 amino acid exendin-4 peptide. to: 39 (from "seq5ags.pep") TOIG of: adp20988 check: 9570 from: 1

ADP20988 standard; peptide; 39 AA

09-SEP-2004 (first entry)

Gila monster lizard venom isolated 39 amino acid exendin-4 peptide.

diabetes; exendin-4; thiazolidinedione; insulin sensitizer; antidiabetic; immunosuppressive; cytostatic; anorectic; antilipaemic; hypotensive; antiarteriosclerotic; ophthalmological; nephrotropic; neuroprotective; type I diabetes; type 2; hyperglycaemia; hatent autoimmune; maturity onset; polycystic ovarian syndrome; gestational; obesity; dyslipidaemia; hyperlipidaemia; hypertriglyceridaemia; hypercholesterolaemia; hypertension; arteriosclerosis; atherosclerosis; cardinopachi; atteriosclerosis; atherosclerosis; cardinopathy; background retinopathy; proliferative retinopathy; diabetic nephropathy; neuropathy; beta-cell; venom; Gila monster lizard; GLP-1 receptor agonist

Heloderma suspectum

WO2004050115-A2

17-JUN-2004.

01-DEC-2003; 2003WO-DK000824.

03-DEC-2002; 2002DK-00001864. 09-DEC-2002; 2002US-0431999P.

(NOVO) NOVO NORDISK AS

Knudsen LB;

WPI; 2004-480530/45.

Treating or preventing diabetes or diabetes-related disease by administering exendin-4 compound and thiazolidinedione insulin sensitizer to patient

Claim 7; SEQ ID NO 1; 31pp; English.

antidiabetic, immunosuppressive, cytostatic, anorectic, antilipaemic, hypotensive, antiarteriosclerotic, ophthalmological, nephrotropic, and neuroprotective. The method is useful for treating or preventing diabetes or a diabetes related disease chosen from type I diabetes, type 2 diabetes, type 2 diabetes, hyperglycaemia, latent autoimmune diabetes in adults, maturity onset diabetes, polycytic ovarian syndrome, gestational diabetes, hyperlipidaemia, hyperlipidaemia, hypertriglyceridaemia, hyperlipidaemia, hypertriglyceridaemia, arteriosclerosis, atherosclerosis, cardiovascular disease, diabetic retinopathy, bedropathy, proliferative retinopathy, diabetic nephropathy, neuropathy and diabetic neuropathy, where the patient is human. The method is useful for increasing the number of beta-cells in a more medicaments for carrying out the method; and a pharmaceutical composition comprising exendin-4 compound and thiazolidinedione preservative. The compositions and method have the following activities: The invention relates to a novel method for treating or preventing diabetes or a diabetes-related disease, which involves administering an exendin-4 compound and thiazolldinedione insulin sensitizer to the patient. The invention further comprises the use of exendin-4 compound and thiazolldinedione insulin sensitizer for the preparation of one or

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type -2 diabetes in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or

Disclosure; SEQ ID NO 7; 65pp; English.

its agonist or analog.

띯

Hathaway

Young A,

X,

Prickett

Beeley NRA,

WPI; 2004-468706/44.

(AMYL-) AMYLIN PHARM INC.

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patient. The insulin sensitizer is useful for the preparation of one or more medicaments for carrying out the method. This sequence represents a 39 amino acid exendin-4 peptide isolated from the venom of the Gila monster lizard, Heloderma suspectum. This peptide is used to act as a potent GIP-1 receptor agonist for stimulating insulin release relating to the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                             polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance;
                                                                                                               Check: 9570
                                                                                                            ADP20988 Length: 39 February 4, 2005 13:33 Type: Pound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                               match found in sequence:
adp48978 ; Gila monster amidated exendin-3 peptide.
                                                                                                                                                   |-----HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                      Gila monster amidated exendin-3 peptide.
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14-JAN-2003; 2003WO-US001109.
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TOIG of: adp48978 check: 9591
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                                                                                      Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                      ADP48978;
                                                                                                                          Found
  8888888
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Modified GLP-1 receptor agonists are useful for treating type 1 diabetes, cape 2 diabetes, maturity onset diabetes of the young, latent autoimmune diabetes adult, gestational diabetes of the young, latent autoimmune diabetes adult, gestational diabetes and Syndrome X (all claimed). They can also be used to treat hyperglycaemia, impaired glucose tolerance, impaired fasting glucose and obesity caused by inducing glucose-dependent insulin secretion. They may also be effective in the treatment of obesity, atherosolerocic disease, hyperlipidaemia, hypercholesterolaemia, low high density lipoprotein levels, hypertension, cardiovascular disease. Ow high density lipoprotein levels, hypertension, cardiovascular disease, peripheral vessel disease, physiological disorders and the secondary causes of diabetes. The modified GLP-1 creceptor agonists can be prepared by synthetic or recombinant methods. They induce glucose-dependent insulin secretion without reducing gastrointestinal motility, thereby lessening the gastrointestinal side-effects associated with previous GLP-1 receptor agonists.

8

Sequence 40 AA;

ADM41384 Length: 40 February 4, 2005 13:33 Type: P Check: 2250 ound using 'seq5' (mohamed337.key) Found

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPSC

match found in sequence: admisSs2 ; Fermentation-derived product exendin-4 analogue ZP10 peptide. (from "seq5ags.pep") TOIG of: admisSs2 check: 5122 from: 1 to: 44 ADN16852 standard; peptide; 44 AA

ADN16852;

01-JUL-2004 (first entry)

Fermentation-derived product exendin-4 analogue ZP10 peptide

fermentation-derived product, microfiltration; fermentation broth; exendin-4 analogue; ZP10 peptide.

Unidentified

Location/Qualifiers Misc-difference

/note= "C-terminal amide"

WO200402,9076-A2

08-APR-2004

25-SEP-2003; 2003WO-DK000627

25-SEP-2002; 2002DK-00001422

(NOVO) NOVO NORDISK AS.

Nielsen TK;

Christensen LH,

WPI; 2004-375439/35.

albumin, involves microfiltration of fermentation broth containing fermentation-derived product at specific microfiltration temperature and such as interleukins, insulin, product Purifying fermentation-derived isolating final product.

Claim 25; Page 17; 20pp; English.

This invention relates to a novel method of purifying a fermentation-derived product, which involves microfiltration of a fermentation broth containing the fermentation-derived product at a microfiltration

temperature within the range from 66-90 degrees C and isolating the final product. The method of the invention is efficient in purifying a fermentation-derived product with an improved microfilitarion process comprising elevated temperatures. The present sequence is that of an exendin-4 analogue ZP10 peptide which is a fermentation-derived product to which the method of the invention may be applied. 888888888

Sequence 44 AA;

Check: 5122 Type: P ADN16852 Length: 44 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMBERAVRLFIEWLKNGGPSSGAPPSKKKKKK

match found in sequence: ado55979 ; Human exendin-4 peptide related to diabetes treatment. (from "seqSags.pep")
IOIG of: ado55979 check: 9570 from: 1

ADO55979 standard; peptide; 39 AA.

ADO55979;

(first entry) 15-JUL-2004 Human exendin-4 peptide related to diabetes treatment.

diabetes; beta-cell proliferation; beta-cell apoptosis; antidiabetic; immunosuppressive; protein kinase; Akt1; p44MAPK; caspase-3; exendin-4;

human.

Ното варіеля

CA2389462-A1

21-DEC-2003.

21-JUN-2002; 2002CA-02389462

21-JUN-2002; 2002US-00111111.

(WANG/) WANG Q Q. (BRUB/) BRUBAKER P L.

Wang QQ, Brubaker PL;

WPI; 2004-099536/11.

Preventing and/or delaying diabetes in a subject in need, involves administering to subject a compound that increases beta-cell proliferation and/or reduces beta cell apoptosis in subject.

Disclosure; SEQ ID NO 2; 43pp; English

This invention relates to a novel method of preventing and/or delaying diabetes in a subject in need, which involves administering to the subject an effective amount of a compound that increases beta-cell proliferation and/or reduces beta-cell apoptosis in the subject. The invention may be useful for the production of compounds with an antidiabetic or immunosuppressive activity by increasing expression of protein kinase (Aktl and/or p444NRK) in the beta-cells and decreasing caspase-3 activation. The method is useful for preventing and/or delaying diabetes in a subject. The present sequence is that of a human exendin-4 peptide which is related to the method of the invention.

Sequence 39 AA;

Check: 9570 ADO55979 Length: 39 February 4, 2005 13:33 Type: P Found using 'seq5' (mohamed337.key)

WPI; 2004-042770/04. polypeptide

Harvesting a desired polypeptide produced by a recombinant host cell, for producing pharmaceuticals, comprises selecting a recombinant nucleic acid comprising nucleic acid fragments encoding a leader peptide and the The invention relates to a novel method for harvesting a (poly) peptide produced by a recombinant host cell. The novel method involves selecting a cell comprising a first nucleic acid encoding a leader peptide and a second nucleic acid fragment encoding the desired (poly) peptide. The first and second fragments are within the same open reading frame of the first nucleic acid and the leader peptide is functionally equivalent to an N-terminal leader peptide found with the pre-peptide of a lantibiotic. The host cells and nucleic acids are useful for producing, harvesting and post-translational modification of polypeptides. The polypeptides may be immunogenic composition. This sequence represents a polypeptide relating to the novel method of the invention. Claim 4; Page 49; 109pp; English.

Sequence 39 AA;

ADL92031 Length: 39 February 4, 2005 13:33 Type: P Check: 9661 Found using 'seq5' (mohamed337.key)

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGCPPPS

from: 1 match found in sequence:
ad192153 ; Exendin-4 protein sequence.
(from "seq5ags.pep")
TOIG of: ad192153 check: 7609 from:

to: 64

ADL92153 standard; protein; 64 AA Exendin-4 protein sequence. 20-MAY-2004 (first entry) ADL92153;

harvesting; recombinant; host cell; N-terminal leader peptide; pre-peptide; lantibiotic; post-translational modification; pharmaceuticals; vaccine; immunogenic.

Unidentified

WO2003099862-A1.

04-DEC-2003.

26-MAY-2003; 2003WO-NL000389.

24-MAY-2002; 2002EP-00077060. 07-FEB-2003; 2003US-00360101.

(NANO-) APPLIED NANOSYSTEMS BV.

Driessen AJM; Kuipers OP, Moll GN, Leenhouts CJ,

Harvesting a desired polypeptide produced by a recombinant host cell, for producing pharmaceuticals, comprises selecting a recombinant nucleic acid comprising nucleic acid fragments encoding a leader peptide and the polypeptide. WPI; 2004-042770/04.

Claim 4; Page 68; 109pp; English

The invention relates to a novel method for harvesting a (poly)peptide produced by a recombinant host cell. The novel method involves selecting a call comprising a first nucleic acid encoding a leader peptide and a second nucleic acid fragment encoding the desired (poly)peptide. The first nucleic acid and the leader peptide is functionally equivalent to an N-terminal leader peptide found with the pre-peptide of a lantiblotic. The host cells and nucleic acids are useful for producing, harvesting and post-translational modification of polypeptides. The polypeptides may be used in the production of pharmaceuticals, e.g. as antigen for vaccine or immunogenic composition. This sequence represents a polypeptide relating to the novel method of the invention.

Sequence 64 AA; 886666666666666888

Check: 7609 ADL92153 Length: 64 February 4, 2005 13:33 Type: P Found using 'seq5' (mohamed337.key)

MPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP

match found in sequence:
admilla84 ; Exendin-4, glucagon-like peptide 1 receptor agonist (antidiabetic).
(from "seq5ags.pep")
TOIG of: admilla84 check: 2250 from: 1 to: 40 ADM41384 standard; peptide; 40 AA. ADM41384;

(first entry) 03-JUN-2004 Exendin-4, glucagon-like peptide 1 receptor agonist (antidiabetic)

Glucagon-like peptide 1; GLP-1; human; receptor; agonist; antidiabetic; immunosuppressive; anorectic; antiarteriosclerotic; hypotensive; antilipaemic; excendin-4.

Homo sapiens

Location/Qualifiers Key Modified-site

/note= "PEGylated amino acid residue"

WO2004022004-A2.

04-SEP-2003; 2003WO-US028093.

06-SEP-2002; 2002US-0408696P. 09-JAN-2003; 2003US-0439369P.

(FARB) BAYER PHARM CORP.

Whelan JP; Pan C,

WPI; 2004-282764/26.

receptor Novel glucagon-like peptide-1 receptor agonist or modified GLP-1 r agonist, useful for treating diabetes, impaired glucose tolerance, metabolic syndrome or pre-diabetic state.

Claim 1; SEQ ID NO 31; 56pp; English.

The present sequence is that of an exendin-4 peptide modified to include a PEGylated C-terminal Cys residue. This is an example of a modified glucagon-like peptide 1 (GLP-1) receptor agonist of the invention comprising a GLP-1 receptor agonist peptide linked to a polyethylene

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, an orectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                             Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL66307 Length: 39 February 4, 2005 13:32 Type: P Check: 9563 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 march found in sequence:
ad166308; Exendin agonist peptide, SEQ ID No 188.
(from "seq5ags.pep,"
TOIG of: ad166308 check: 9112 from: 1 to: 39
                                                                                                                                                                                                                             Disclosure; SEQ ID NO 187; 173pp; English.
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AGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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28-MAY-2002; 2002US-00157224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA, Kolterman OG;
                                     (AMYL-) AMYLIN PHARM INC.
                                                                         Kolterman OG;
                                                                                                             WPI; 2004-042706/04.
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                                                                             Young AA,
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obeatty, inhibiting food intake, such as impaired glucose tolerance, obeatty, inhibiting that an exendin agonist peptide of the invention.
                                        Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "This residue forms a thioether bond with residue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "This residue forms a thioether bond with residue 32 to form a lanthionine ring"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            harvesting; recombinant; host cell; N-terminal leader peptide; pre-peptide; lantibiotic; post-translational modification; pharmaceuticals; vaccine; immunogenic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Driessen AJM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Type: P
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                                                                                                                      Disclosure; SEQ ID NO 188; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AGAGTFTSDLSKQLEBEAVRLFIBFLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2002EP-00077060.
2003US-00360101.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence: ad192031 ; Exendin-3 C35-sequence.
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             WPI; 2004-042706/04
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TOIG of: ad192031 c
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                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
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07-FEB-2003;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                     Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia dyslipidaemia or cardiovascular disease. This sequence represents an exemilia agonist peptide of the invention.
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TOIG of: ad166307 check: 9563 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 186; 173pp; English.
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HGDATFTSDLSKQMEEEAVRLFIEWLKNGG
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                                                                                                                     28-MAY-2002; 2002US-00157224
                                                                      28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                         Kolterman
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Modified-site
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                       04-DEC-2003.
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                                                                                                                                                                                                                            Young AA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, ano antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
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diffos ; Exendin agonist peptide, SEQ ID No 186.
(from "seq5ags.pep")
TOIG of: ad166306 check: 4862 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 185; 173pp; English.
                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide, SEQ ID No 186.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |-----|
HGAGTFTSDLSKQMBBEAVRLFIEWLKNGGPSSGA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL66306 standard; peptide; 30 AA
                                                                                                                                                                                                                                                 28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                               28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                 Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2003099314-A1
                                                                                                WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
  Key
Modified-site
                                                                                                                                                  04-DEC-2003
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dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                 Synthetic.
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Type: P Check: 4098
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
adl66304; Exendin agonist peptide, SEQ ID No 184.
(from "seq5ags.pep")
(TOIG of: adl66304 check: 862 from: 1 to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 183; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL66303 Length: 37 February 4, 2005 13:32
                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                  /note= "N-methylalanine"
37
                                                                                                         'note= "N-methylalanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGIFTSALSKOMEEEAVRLFIEWLKNGGXSSGAXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide, SEQ ID No 184.
                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL66304 standard; peptide; 36 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Found using 'seq5' (mohamed337.key
     dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                             28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                               28-MAY-2002; 2002US-00157224
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                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                       Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-042706/04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 37 AA;
                                                                                                                                                                                                                         WO2003099314-A1
                                                                                            Modified-site
                                                                                                                                Modified-site
                                                                                                                                                                  Modified-site
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                                                                                                                                                                                                                                                           04-DEC-2003
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                                           Synthetic
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 $ of the predetermined release period. The composition has antidiabetic, an orectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin, extended-release formulation, plasma level, antidiabetic, ancetic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
                                                                                                                                               /note= "Homoproline residue with C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL66304 Length: 36 February 4, 2005 13:33 Type: P Check: 862 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         n match found in sequence:
adl66305; Exendin agonist peptide, SEQ ID No 185.
(from "seq5ags.pep")
TOIG of: adl66305 check: 7441 from: 1 to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 184; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide, SEQ ID No 185.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGEGTFTSDLSKQMEEEAVRLF1EWLKNGGXSSGAX
                                                                         /note= "Homoproline"
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66305 standard; peptide; 35 AA.
                                                                                                                                                                                                                                                                                                                                                                                                 28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 36 AA;
                                                                                                                                                                                                                                             WO2003099314-A1
                                             Modified-site
                                                                                                                          Modified-site
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                                                                                                                                                                                                                                                                                                                   04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66305;
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exendin; extended-release formulation; plasma level; antidiabetic; ancrectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

/note= "C-terminal amide"

WO2003099314-A1.

04-DEC-2003

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC

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Kolterman

Young AA,

WPI; 2004-042706/04

36. .38 /note= "Thioproline" Location/Qualifiers

Key Modified-site Modified-site

Synthetic.

Fri Feb

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Type: P Check: 7457
                                anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity; hyperglycaemia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 181; 173pp; English
                                                                                                                                                                                                                                                                     'note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL66301 Length: 38 February 4, 2005 13:33 Found using '8eq5' (mohamed337.key)
                                                                                                                                                                                         'note= "Thioproline"
                                                                                                                                                                                                                           'note= "Thioproline'
                                                                                                                                                     Location/Qualifiers
                                                                          dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                        28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                  28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                               36. .38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                            WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 38 AA;
                                                                                                                                                                       Modified-site
                                                                                                                                                                                                           Modified-site
                                                                                                                                                                                                                                                 Modified-site
                                                                                                                                                                                                                                                                                                                                                  04-DEC-2003
                                                                                                                Synthetic
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The invention relates to a novel pharmaceutical composition comprising an

Disclosure, SEQ ID NO 182; 173pp; English.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation.

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exendin (agonist) peptide in a extended-release formulation. The formulation is capable of releasing the peptide over a predetermined tenesase period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25t of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetees and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Check: 7197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3302 Length: 38 February 4, 2005 13:33 Type: Pusing 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
adi66303 Exendin agonist peptide, SEQ ID No 183.
(from "seq5ags.pep")
TOIG of: adi66303 check: 4098 from: 1 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |-----|
HGEATFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide, SEQ ID No 183.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66303 standard; peptide; 37 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 38 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Found
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. match found in sequence: ad166302 ; Exendin agonist peptide, SEQ ID No 182

Exendin agonist peptide, SEQ ID No 182.

(first entry)

20-MAY-2004

ADL66302;

HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXX

to: 38

check: 7197 from: 1

n "seq5ags.pep' of: ad166302

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ADL66302 standard; peptide; 38

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 180.

(first entry)

20-MAY-2004

ADL66300;

/note= "C-terminal amide"

WO2003099314-A1.

04-DEC-2003.

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers 29

Key Modified-site

Synthetic.

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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                           exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2005 13:33 Type: P Check: 4423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    represents an exendin agonist peptide of the invention
                     to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 179; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                          Exendin agonist peptide, SEQ ID No 179.
(from "seq5ags.pep")
TOIG of: ad166299 check: 4423 from: 1
                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                         ADL66299 standard; peptide; 30 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66299 Length: 30 February 4,
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-MAY-2002; 2002US-00157224
                                                                                                                                  20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                         WO2003099314-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                              Key
Modified-Bite
                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-DEC-2003.
                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                              ADL66299;
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66300 Length: 29 February 4, 2005 13:33 Type: P Check: 2313 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
ad166301; Exemdin agonist peptide, SEQ ID No 181.
(from "seq5ags.pep")
TOIG of: ad166301 check: 7457 from: 1 to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 180; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66301 standard; peptide; 38 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |-----|
AGEGTFTSDLSKQLEEBAVRLFIBFLKNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 29 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL66301;
SXXXXX
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Exendin agonist peptide, SEQ ID No 181.

match found in sequence: adle6300 ; Exendin agonist peptide, SEQ ID No 180.

|------| HGEGTFTSALSKQLEEEAVRLFIEFLKNGG

(from "seq5ags.pep")
TOIG of: adl66300 check: 2313 from: 1

ADL66300 standard; peptide; 29 AA.

to: 29

Check: 18 32 February 4, 2005 13:33 Type: P (mohamed337.key) Length: 32 Found using 'seq5' ADL66296

AGEGTFTSDLSKOMEERAVRLFIEWLKNGGPS

1 match found in sequence:

ad166297; Exemdin agonist peptide, SEQ ID No 177.

(from "segage.pep")

TOIG of: ad166297 check: 9574 from: 1 to: 32

ADL66297 standard; peptide; 32 AA

ADL66297;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 177

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1.

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG; WPI; 2004-042706/04. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 177; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma splucese or delaying and/or slowing gastric empeying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 32 AA;

Type: P Check: 9574 February 4, 2005 13:33 ADL66297 Length: 32 February 4, Found using 'seq5' (mohamed337.key)

HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPS

28

1 match found in sequence:
ad166298 ; Exemdin agonist peptide, SEQ ID No 178.
(from "seq5ags.pep")
TOIG of: ad166298 check: 7345 from: 1 to: 31

ADL66298 standard; peptide; 31 AA.

ADL66298;

(first entry) 20-MAY-2004

Exendin agonist peptide, SEQ ID No 178.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

Location/Qualifiers

/note= "C-terminal amide" Key Modified-site

WO2003099314-A1

04-DEC-2003,

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 178; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a mount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 5.8 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful in treating diabetes and conditions that would be benefited by lowering plasma glucoše or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dysliptidemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 31 AA;

ADL66298 Length: 31 February 4, 2005 13:33 Type: P Check: 7345 Found using 'seq5' (mohamed337.key)

HGEATFTSDLSKOMEEEAVRLFIEWLKNGGP

match found in sequence: ad166299 ; Exendin agonist peptide, SEQ ID No 179.

match

Fri

888888888

hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Check: 2737

Type: P

ADL66295 Length: 33 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

Sequence 33 AA;

SXXS

HGEGTFTSALSKOMEEEAVRLFIEWLKNGGPSS

L match found in sequence:
ad166296 ; Exendin agonist peptide, SEQ ID No 176.
(from "seq5ags.pep")
(Troff of: ad166296 check: 18 from: 1 to: 32

ADL66296 standard; peptide; 32 AA

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anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
composition has antidiabetic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
                                                                                                                                                                                                                                                                                                                                                                 ADL66294 Length: 34 February 4, 2005 13:33 Type: P Check: 5154 Found using 'seg5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ad166295; Exendin agonist peptide, SEQ ID No 175. (from "seq5ags.pep")
TOIG of: ad166295 check: 2737 from: 1 to: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "C-terminal amide"
predetermined release period. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide, SEQ ID No 175.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEATFTSDLSKQMEEEAVRLFIEWLKNGGPSSG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL66295 standard; peptide; 33 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dyslipidaemia, cardiovascular,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                match found in sequence:
                                                                                                                                                                                                                                                                                               Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2003099314-A1
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exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 176.

(first entry)

20-MAY-2004

ADL66296;

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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 anorectic, and antilipaemic activities. The novel composition and antichabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 176; 173pp; English.
                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                     28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                     28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                                                                                     04-DEC-2003
                                                                                                                                                                                                          Synthetic
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Sequence 32 AA;

The invention relates to a novel pharmaceutical composition comprising an exemdin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity,

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

(AMYL-) AMYLIN PHARM INC. Kolterman

WPI; 2004-042706/04.

Young AA,

Disclosure; SEQ ID NO 175; 173pp; English.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or carditovascular disease. This sequence represents an exendin agonist peptide of the invention.
exendin or an exendin agonist peptide in an extended-release formulation.
                                                             ID NO 172; 173pp; English.
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Sequence 35 AA;

Type: P Check: 7446 ADL66292 Length: 35 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

AGEGTFTSDLSKOMEREAVRLFIEWLKNGGPSSGA

adl66293; Exendin agonist peptide, SEQ ID No 173. (from "seq5ags.pep")
TOIG of: adl66293 check: 7002 from: 1 to: 35 ADL66293 standard; peptide; 35 AA match found in sequence:

Exendin agonist peptide, SEQ ID No 173. (first entry) 20-MAY-2004 ADL66293;

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1.

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

Young AA, Kolterman

(AMYL-) AMYLIN PHARM INC.

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 173; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25%

Disclosure; SEQ ID NO 174; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an

exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. Check: 7002 ADL66293 Length: 35 February 4, 2005 13:32 Type: P Found using '8eq5' (mohamed337.key) . match found in sequence: ad166294 ; Exendin agonist peptide, SEQ ID No 174. /note= "C-terminal amide" Exendin agonist peptide, SEQ ID No 174. |-----| HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA from: 1 Location/Qualifiers 34 ADL66294 standard; peptide; 34 AA 28-MAY-2003; 2003WO-US016699. 28-MAY-2002; 2002US-00157224. check: 5154 (first entry) (AMYL-) AMYLIN PHARM INC. Kolterman OG; WPI; 2004-042706/04. (from "seq5ags.pep") TOIG of: ad166294 c WO2003099314-A1 Sequence 35 AA; Key Modified-site 20-MAY-2004 04-DEC-2003. Synthetic. Young AA, ADL66294; 8×33333333333333

Fri Feb

WPI; 2004-042706/04.

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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emperying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyglipidaemia or cardiovascular disease. This sequence
                                                                                                                                                                                                                                                                                                                                               invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                           Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            represents an exendin agonist peptide of the invention
                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 170; 173pp; English.
28-MAY-2002; 2002US-00157224.
                                                (AMYL-) AMYLIN PHARM INC.
                                                                                            Young AA, Kolterman OG;
                                                                                                                                            WPI; 2004-042706/04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 36 AA;
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ADL66290 Length: 36 February 4, 2005 13:33 Type: P Check: 306 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                          match found in sequence:
ad166291 ; Exendin agonist peptide, SEQ ID No 171.
                                                                                                       |-----HGEGTFTSALSKQMEEEAVRLFIEWLKNGGPSSGAP
```

exendin; extended-release formulation; plasma level; antidiabetic; ancilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. Exendin agonist peptide, SEQ ID No 171. check: 9777 from: 1 ADL66291 standard; peptide; 36 AA 20-MAY-2004 (first entry) (from "seq5ags.pep") TOIG of: ad166291 Synthetic ADL66291;

/note= "C-terminal amide" Location/Qualifiers 28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699 WO2003099314-A1 Modified-site 34-DEC-2003

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                            Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                            Disclosure; SEQ ID NO 171; 173pp; English.
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ADL66291 Length: 36 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key) AGEGIFISDASKOLEEEAVRLFIEFLKNGGPSSGAP

Type: P Check: 9777

Sequence 36 AA;

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. 1 match found in sequence:
adi66292 ; Exendin agonist peptide, SEQ ID No 172.
(from "seqse.pep")
TOIG of: adi66292 check: 7446 from: 1 to: 35 Exendin agonist peptide, SEQ ID No 172. ADL66292 standard; peptide; 35 AA (first entry) 20-MAY-2004 Synthetic. ADL66292;

/note= "C-terminal amide" Location/Qualifiers 28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699. (AMYL-) AMYLIN PHARM INC. Kolterman WO2003099314-A1. Key Modified-site 04-DEC-2003. Young AA,

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an

WPI; 2004-042706/04.

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Kolterman
                                                                                                                                                                                              WPI; 2004-042706/04.
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Modified-site
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                  04-DEC-2003
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                                                                                                                                                              Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL66290;
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                        Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin, extended-release formulation, plasma level; antidiabetic; anotilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL66288 Length: 38 February 4, 2005 13:33 Type: P Check: 5882 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         adl66289; Exendin agonist peptide, SEQ ID No 169. (from "seq5ags.pep")
TOIG of: adl66289 check: 3269 from: 1 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 168; 173pp; English.
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                                 /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |-----HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide, SEQ ID No 169.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66289 standard; peptide; 37 AA
                                                                                                                                         28-MAY-2003; 2003WO-US016699
                                                                                                                                                                               28-MAY-2002; 2002US-00157224
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                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                    Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                    WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
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                                                                     WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 38 AA;
Key
Modified-site
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66289;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition and method anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gastric emptying or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66289 Length: 37 February 4, 2005 13:33 Type: P Check: 3269 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              anorectic, antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                l match found in sequence:
ad166290 ; Exendin agonist peptide, SEQ ID No 170.
(from "seq5asp.pep")
TOIG of: ad166290 check: 306 from: 1 to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 169; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  36
/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGEATFISDLSKOMBEBAVRLFIEWLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide, SEQ ID No 170.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-MAY-2003; 2003WO-US016699.
28-MAY-2003; 2003WO-US016699
                                                                                            28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin, extended-release formulation; plasma level, antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying;
                                                  exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL66286 Length: 28 February 4, 2005 13:33 Type: P Check: 9887 Found using 'seq5' (mchamed337.key)
                                                              anorectic, antilipaemic, diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID No 167.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 166; 173pp; English.
                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide, SEQ ID No 167.
             Exendin agonist peptide, SEQ ID No 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         check: 6326 from: 1
                                                                                                                                                                       Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL66287 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AGDGTFTSDLSKQLEEEAVRLFIEFLKA
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
ad166287 ; Exendin agonist peptide,
                                                                                                                                                                                                                                                                                                                                                                      28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                   28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq5ags.pep")
TOIG of: ad166287 c
                                                                                                                                                                                                                                                            WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                    Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-MAY-2004
                                                                                                                                                                                                                                                                                                 04-DEC-2003
                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66287;
ARXBXBXBXBXB
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the pranhed release period. The composition has antidiabetic, an antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                             Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Type: P Check: 6326
inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 167; 173pp; English.
                                                                                                                                   /note= "C-terminal amide"
                                                                                              Location/Qualifiers
                   dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                      28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                 28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                              Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-042706/04.
                                                                                                                                                                          WO2003099314-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 38 AA;
                                                                                                 Key
Modified-site
                                                                                                                                                                                                             04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                  Young AA,
                                                          Synthetic
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ADL66287 Length: 38 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key) AGEGTFTSDLSKQMEREAVRLFIEWLKNGGPSSGAPPP

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. . match found in sequence: ad166288; Exendin agonist peptide, SEQ ID No 168. (from "seq5ags.pep") TOIG of: ad166288 check: 5882 from: 1 to: 38 Exendin agonist peptide, SEQ ID No 168. ADL66288 standard; peptide; 38 AA. (first entry) 20-MAY-2004 ADL66288;

Synthetic.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 165

(first entry)

20-MAY-2004

ADL66285;

ADL66285 standard; peptide; 28 AA.

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers 28

Key Modified-site

Synthetic.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Type: P Check: 9981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                      ad166284; Exendin agonist peptide, SEQ ID No 164. (from "seq5ags.pep")
TOIG of: ad166284 check: 9981 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 164; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    February 4, 2005 13:33
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide, SEQ ID No 164.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                          ADL66284 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL66284 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                          20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA, Kolterman OG;
match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003099314-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                        ADL66284;
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 165; 173pp; English

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL66285 Length: 28 February 4, 2005 13:33 Type: P Check: 326 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . match found in sequence:
ad166286; Exendin agonist peptide, SEQ ID No 166.
(from "seq5ags.pep")
TOIG of: ad166286 check: 9887 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66286 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGDGTFTSDLSKQMEEEAVRLFIEWLKA
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66286;
#UXXXE
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. match found in sequence: ad166285 ; Exendin agonist peptide, SEQ ID No 165.

AGDGTFTSDLSKQLEEEAVRLFIEFLAN

(from "seq5ags.pep") TOIG of: ad166285 check: 326 from: 1

to: 28

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ADL66281 Length: 28 February 4, 2005 13:33 Type: P
Found using 'seq5' (mohamed337.key)
Sequence 28 AA;
    g
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Check: 404

|-----AGDGTFTSDLSKQMEEEAVRLFIEWAKN

match found in sequence:
4166282; Exendin agonist peptide, SEQ ID No 162.
41com "seq5ags.pep")
TOIG off: ad166282 check: 9965 from: 1 to: 28

ADL66282 standard; peptide; 28 AA

ADL66282;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 162.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Synthetic

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 162; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the postide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

ADL66282 Length: 28 February 4, 2005 13:33 Type: P Check: 9965 Found using 'seq5' (mohamed337.key)

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|------|
AGDGTFTSDLSKQLEEEAVRLFIEFAKN
1
```

. match found in sequence: ad166283; Exemin agonist peptide, SEQ ID No 163. (from "seq5ags.pep")
TOIG of: ad166283 check: 420 from: 1 to: 28 1 match

ADL66283 standard; peptide; 28 AA

ADL66283;

20-MAY-2004

(first entry)

Exendin agonist peptide, SEQ ID No 163.

exendin; extended-release formulation; plasma level; antidiabetic; ancectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1.

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 163; 173pp; English.

formulation is capable of releasing the peptide over a predetermined release formulation. The formulation is capable of releasing the peptide over a predetermined the period, the period being at least lone hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25* of the predetermined release period. The composition has antidiabetic, ancectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or The invention relates to a novel pharmaceutical composition comprising an lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

Type: P Check: 420 ADL66283 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQMEEEAVRLFIEWLAN

seq5 ags.res

that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 88888888888888

Sequence 28 AA;

Type: P Check: 140 28 February 4, 2005 13:32 (mohamed337.key) ADL66279 Length: 28 Found using 'seq5' (mc

AGDGTFTSDLSKOMEEEAVRLFIEALKN

match found in sequence:
ad166280; Exendin agonist peptide, SEQ ID No 160.
(from "seq5ags.pep. TOIG of: ad166280 check: 126 from: 1 to: 28

ADL66280 standard; peptide; 28 AA

ADL66280;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 160.

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

Location/Qualifiers 28 Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

CCCCCCCCXXX414X8X1X8X1X6X1X6X1114X8X4X4X8X1

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM

Young AA, Kolterman OG;

WPI; 2004-042706/04.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. Disclosure; SEQ ID NO 160; 173pp; English.

lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exemila agonist peptide of the invention. ន្តដ្ឋប្រម្ជូន

Sequence 28 AA;

Check: 126 Type: P ADL66280 Length: 28 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

|-----| AGDGTFTSDLSKQLEBEAVRLFIEALKN 1

. match found in sequence: ad166281; Exendin agonist peptide, SEQ ID No 161. (from "seq5ags.pep") TOIG of: ad166281 check: 404 from: 1 to: 28

ADL66281 standard; peptide; 28 AA

ADL66281;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 161.

exendin; extended-release formulation; plasma level; antidiabetic; ancilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 161; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined trelease period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anonectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

seq5_ags.res

exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. The invention relates to a novel pharmaceutical composition comprising an Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation Disclosure; SEQ ID NO 157; 173pp; English.

Sequence 28 AA;

Type: P Check: 666 2005 13:32 ADL66277 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKOMEEEAVRLFIDWLKN 28

match found in sequence:
adl66778; Exendin agonist peptide, SEQ ID No 158.
(from "seq5as.pep")
TOIG of: adl66278 check: 227 from: 1 to: 28

Exendin agonist peptide, SEQ ID No 158. ADL66278 standard; peptide; 28 AA (first entry) 20-MAY-2004 ADL66278;

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; foung AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 158; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a maount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

%\$383888888888888888

Sequence 28 AA;

Check: 227 Length: 28 February 4, 2005 13:33 Type: P g 'seq5' (mohamed337.key) using 'seq5' ADL66278 Found

AGDGTFTSDLSKQLBEEAVRLFIDFLKN

. match found in sequence: ad166279 ; Exendin agonist peptide, SEQ ID No 159. (from "seq5ags.pep") TOIG of: ad166279 "check: 140 from: 1 to: 28 ADL66279 standard; peptide; 28 AA.

ADL66279;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 159

exendin; extended-release formulation; plasma level; antidiabetic; ancedic; antilipsemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 159; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such

Young AA,

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Type: P Check: 1035
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ad166276; Exendin agonist peptide, SEQ ID No 156.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 28
                                                                                                                                                                                                                                Disclosure; SEQ ID NO 155; 173pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide, SEQ ID No 156.
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FOIG of: ad166276 check: 596 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66276 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGDGTFTSDLSKQMEEEAVRLFXEWLKN
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28-MAY-2002; 2002US-00157224.
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                                      (AMYL-) AMYLIN PHARM INC.
                                                                            Young AA, Kolterman OG;
                                                                                                                WPI; 2004-042706/04.
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyshlpidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                           tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                        Pharmaceutical composition for treating diabetes, impaired glucose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length: 28 February 4, 2005 13:32 Type: P Check: 596 9 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . match found in sequence:
ad166277; Exemin agonist peptide, SEQ ID No 157.
(from "seq5ags.pep")
TOIG of: ad166277 check: 666 from: 1 to: 28
                                                                                                                                                                Disclosure; SEQ ID NO 156; 173pp; English.
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                                                    WPI; 2004-042706/04
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Modified-site
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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25* of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                      invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                         Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . match found in sequence:
ad166274; Exendin agonist peptide, SEQ ID No 154.
(from "seq5ags.pep")
TOIG of: ad166274 check: 550 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 153; 173pp; English
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/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5273 Length: 28 February 4, using 'seq5' (mohamed337.key)
                                                                                                          28-MAY-2003; 2003WO-US016699
                                                                                                                                              28-MAY-2002; 2002US-00157224
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                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                       Kolterman OG;
                                                                                                                                                                                                                                                       WPI; 2004-042706/04.
                                    WO2003099314-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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                                                                          04-DEC-2003
                                                                                                                                                                                                                       Young AA,
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                             Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
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adi66275; Exendin agonist peptide, SEQ ID No 155.
(from "seq5aga.pep")
TOG of: adi66275 check: 1035 from: 1 to: 28
                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 154; 173pp; English.
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                                                28-MAY-2002; 2002US-00157224.
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               28-MAY-2003; 2003WO-US016699
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                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                         Kolterman OG;
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                                                                                                                           Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL66275;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Found
Type: P Check: 989
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/note= "C-terminal amide" 'note= "Naphthylalanine"

Location/Qualifiers

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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                         28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                               28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-042706/04.
                                                                                                                                                        WO2003099314-A1
                       Key
Modified-site
                                                                                    Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAY-2004
                                                                                                                                                                                                  04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                  Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66273;
  The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or carditovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Type: P Check: 1086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
adl6672; Exendin agonist peptide, SEQ ID No 152.
{from "seq5asp.pep"}
TOIG of: adl66272 check: 647 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 151; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL66271 Length: 28 February 4, 2005 13:33
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                 note= "Naphthylalanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide, SEQ ID No 152.
                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL66272 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |-----|
| AGDGTFTSDLSKQMEEEAVRLXIEWLKN
| 28
dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dyslipidaemia; cardiovascular
                                                                                                                                                                                                                                                                                                                                                        28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                   28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-042706/04.
                                                                                                                                                                                                                          #O2003099314-A1
                                                                                                           Modified-site
                                                                                                                                                      Modified-site
                                                                                                                                                                                                                                                                      04-DEC-2003
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                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66272;
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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, ano antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                     The invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66272 Length: 28 February 4, 2005 13:33 Type: P Check: 647 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . match found in sequence:
ad166273 ; Exendin agonist peptide, SEQ ID No 153.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 28
Disclosure; SEQ ID NO 152; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide, SEQ ID No 153.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     check: 989 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL66273 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AGDGTFTSDLSKQLEEEAVRLXIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (from "seq5ags.pep"
TOIG of: ad166273
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14x8x4x4x6x1xxx2
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exendin; extended release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Exendin agonist peptide, SEQ ID No 150.

28 /note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

Location/Qualifiers

Key Modified-site

Synthetic.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                           exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66269 Length: 28 February 4, 2005 13:32 Type: P Check: 459 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 149; 173pp; English.
                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                      Exendin agonist peptide, SEQ ID No 149.
                                                                                                                                                                                                                                                  Location/Qualifiers
28
                                                                                                                                                                                   dyslipidaemia; cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                             28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                        28-MAY-2003; 2003WO-US016699
                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-042706/04
                                                                                                                                                                                                                                                                                                                                   WO2003099314-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
                                                                                                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Found using 'seq5'
                                                   20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                       04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young AA,
                                                                                                                                                                                                                       Synthetic.
                   ADL66269;
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tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 150; 173pp; English.

Pharmaceutical composition for treating diabetes, impaired glucose

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC. Kolterman

WPI; 2004-042706/04.

Young AA,

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a maount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 5 sg/ml is achieved for at least 2st of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66270 Length: 28 February 4, 2005 13:33 Type: P Check: 20 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
ad166271 . Exendin agonist peptide, SEQ ID No 151.
(from "seq5sgs.pep")
TOIG of: ad166271 check: 1086 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide, SEQ ID No 151.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL66271 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGDGTFTSDLSKQLEEEAVRAFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-MAY-2004
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match found in sequence: ad166270 ; Exendin agonist peptide, SEQ ID No 150.

AGDGTFTSDLSKQMEEEAVRAFIEWLKN 1

το:

from: 1

check: 20

n "seq5ags.pep") of: ad166270 c

TOIG

ADL66270 standard; peptide; 28

(first entry)

20-MAY-2004

ADL66270;

SAXAXEX

ad166268 ; Exendin agonist peptide, SEQ ID No 148

4 14:12:17 2005

Feb

Fri

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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                . match found in sequence:
adl66267; Exendin agonist peptide, SEQ ID No 147.
(from "seq5asp.pep")
TOIG of: adl66267 check: 350 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 147; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide, SEQ ID No 147.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
28
                                                                                                                                                                                                                                                                        Ź
                                                                                                                                                                                                                                                                     ADL66267 standard; peptide; 28
AGDGTFTSDLSKQLEEEAARLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                        20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO2003099314-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA,
                                                                                                                                                                                                                                                                                                                                ADL66267;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

4, 2005 13:33 Type: P Check: 350 ADL66267 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

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AGDGTFTSDLSKOMBEBAVALFIEWLKN
1
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1 match found in sequence:

ADL66269 standard; peptide; 28 AA

A

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emperying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                         exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2005 13:33 Type: P Check: 9911
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   adl66269; Exendin agonist peptide, SEQ ID No 149.
   (from "seq5ags.pep")
   TOIG of: adl66269 check: 459 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 148; 173pp; English
                                                                                                                                                                       Exendin agonist peptide, SEQ ID No 148
                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                      ADL66268 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGDGTFTSDLSKQLEEEAVALFIEFLKN
                                                                                                                                                                                                                                                                 dyslipidaemia, cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL66268 Length: 28 February 4, ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-MAY-2003; 2003WO-US016699.
                check: 9911
                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-042706/04.
(from "seq5ags.pep"
TOIG of: ad166268
                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                Key
Modified-site
                                                                                                                                20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young AA,
                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                            ADL66268;
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8x3333

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Check: 291

Type: P

ADL66265 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQMEEEAARLFIEWLKN 1

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                Check: 183
                                                                                                                                                                                                                                Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    adl66265 ; Exendin agonist peptide, SEQ ID No 145.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                ADL66264 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide, SEQ ID No 145.
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66265 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                    AGDGTFTSDLSKQLEEAAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-MAY-2003; 2003WO-US016699.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            check: 291
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq5ags.pep")
TOIG of: ad166265 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2003099314-A1.
                                                                                                                                                        Sequence 28 AA;
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Modified-site
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilibaente activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      February 4, 2005 13:33 Type: P Check: 9852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              represents an exendin agonist peptide of the invention.
. match found in sequence:
adl66266; Exendin agonist peptide, SEQ ID No 146.
(from "seq5ags.pep")
TOIG of: adl66266 check: 9852 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 146; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                               Exendin agonist peptide, SEQ ID No 146
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28
                                                                                                ADL66266 standard; peptide; 28 AA
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Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2002; 2002US-00157224.
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                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                      ADL66266;
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Sequence 28 AA,

formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, another that an antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. invention relates to a novel pharmaceutical composition comprising an 888888888888888888888888888888888888

Sequence 28 AA;

ADL66262 Length: 28 February 4, 2005 13:33 Type: P Check: 187 Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQLEAEAVRLFIBFLKN 1

match found in sequence: ad166263 ; Exendin agonist peptide, SEQ ID No 143. to: 28 (from "seqSags.pep")
TOIG of: adl66263 check: 622 from: 1

ADL66263 standard; peptide; 28 AA.

ADL66263;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 143.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 143; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or

sustained plasma level of at least 5 pg/ml is achieved for at least 25* of the predetermined release period. The composition has antidiabetic, ancertic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or linhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. Check: 622 Length: 28 February 4, 2005 13:32 Type: P 9 seq5' (mohamed337.key) 1 match found in sequence: ad166264 ; Exendin agonist peptide, SEQ ID No 144. to: 28 Disclosure; SEQ ID NO 144; 173pp; English. /note= "C-terminal amide" Exendin agonist peptide, SEQ ID No 144. Location/Qualifiers (from "seq5ags.pep") TOIG of: ad166264 check: 183 from: 1 ADL66264 standard; peptide; 28 AA. AGDGTFTSDLSKQMEEAAVRLFIEWLKN
1 28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699. (first entry) (AMYL-) AMYLIN PHARM INC. Kolterman OG; WPI; 2004-042706/04. WO2003099314-A1. Sequence 28 AA; Modified-site Found using 'seq5' 20-MAY-2004 04-DEC-2003. Young AA, Synthetic. ADL66264; ADL66263

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilippemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                       Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
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Found using 'seq5' (mohamed337.key)
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ad166261; Exendin agonist peptide, SEQ ID No 141.
(from "seq5ags.pep")
TOIG of: ad166261 check: 626 from: 1 to: 28
                                                                                                                                                     Disclosure; SEQ ID NO 140; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL66261 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AGDGTFTSDLSKQLAEEAVRLF1EFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-MAY-2004 (first entry)
Kolterman OG
                                     WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 AA;
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 Young AA,
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Pharmaceutical composition for treating diabetes, impaired glucose

(AMYL-) AMYLIN PHARM INC. Young AA, Kolterman OG;

WPI; 2004-042706/04

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emperying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
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                                                                                                                                                                                                                                                                                                                                                                                                                         ADL66261 Length: 28 February 4, 2005 13:32 Type: P Check: 626 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
adi66262; Exendin agonist peptide, SEQ ID No 142.
(from "seg5as.pep")
TOIG of: adi66262 check: 187 from: 1 to: 28
                                                            Disclosure; SEQ ID NO 141; 173pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
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Modified-site
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capble of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, of the predetermined release period. The composition and method anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                              Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
adl66259 ; Exendin agonist peptide, SEQ ID No 139.
                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 138; 173pp; English
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                                                                            28-MAY-2003; 2003WO-US016699
                                                                                                             28-MAY-2002; 2002US-00157224
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                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                        Kolterman OG;
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WO2003099314-A1
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TOIG of: ad166259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
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                                                                                                                                                                                            Young AA,
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                               Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66259 Length: 28 February 4, 2005 13:33 Type: P Check: 630 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
ad166260; Exendin agonist peptide, SEQ ID No 140.
(from "segSags.pep")
TOIG of: ad166260 check: 191 from: 1 to: 28
                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 139; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide, SEQ ID No 140.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66260 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGDGTFTSDLSKQMAEEAVRLFIEWLKN
                 28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                     (AMYL-) AMYLIN PHARM INC
                                                                                          Kolterman
                                                                                                                              WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 28 AA;
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                          Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL66260;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                      Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL66256 Length: 28 February 4, 2005 13:33 Type: P Check: 97 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
ad166257; Exendin agonist peptide, SEQ ID No 137.
(from "seq5ags.pep")
TOIG of: ad166257 check: 844 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 136; 173pp; English.
                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide, SEQ ID No 137.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "Pentylglycine"
                          Location/Qualifiers
28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66257 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGDGTFTSDLSKQAEEEAVRLFIEFLKN
                                                                                                                                                                                   28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                       28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                 Kolterman OG;
                                                                                                                                                                                                                                                                                                                                     WPI; 2004-042706/04
                                                                                                          WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
                                                     Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
                                                                                                                                                04-DEC-2003
                                                                                                                                                                                                                                                                                                 Young AA,
Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL66257;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a macunt such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; carditovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL66257 Length: 28 February 4, 2005 13:33 Type: P Check: 844 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          represents an exendin agonist peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 adl66258; Exendin agonist peptide, SEQ ID No 138. (from "seq5ags.pep")
TOIG of: adl66258 check: 419 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 137; 173pp; English.
 28
/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide, SEQ ID No 138.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL66258 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGDGTFTSDLSKQXEEEAVRLFIEWLKN
1
                                                                                                                                28-MAY-2003; 2003WO-US016699
                                                                                                                                                                     28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-MAY-2004 (first entry)
                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                              Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
                                                                                                                                                                                                                                                                               WPI; 2004-042706/04
                                                        WO2003099314-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 AA;
Modified-site
                                                                                           04-DEC-2003
                                                                                                                                                                                                                                            Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66258;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Found
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28 /note= "C-terminal amide"

/note= "Pentylglycine" Location/Qualifiers

> Modified-site Modified-site

Synthetic.

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

Modified-site

Synthetic.

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                     exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 134; 173pp; English.
                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                    Exendin agonist peptide, SEQ ID No 134
                                                                                                                                                                                                            Location/Qualifiers
28
                                                                                                                                              dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                       28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                              28-MAY-2002; 2002US-00157224
                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                              WO2003099314-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
                                                                                                                                                                                                                        Key
Modified-site
                 20-MAY-2004
                                                                                                                                                                                                                                                                                                                                   04-DEC-2003
                                                                                                                                                                                   Synthetic
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 135; 173pp; English

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined trelease period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25t of the predetermined release period. The composition has antidiabetic, of the predetermined antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2255 Length: 28 February 4, 2005 13:32 Type: P Check: 522 using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
ad166256 ; Exendin agonist peptide, SEQ ID No 136.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28
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t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGDGTFTSDLSKQAEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             n "seq5ags.pep"
of: adl66256 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-MAY-2004
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TOIG o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Found
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4, 2005 13:32 Type: P Check: 43

adl66255 ; Exendin agonist peptide, SEQ ID No 135.

match found in sequence:

AGDGTFTSDLSKALEEEAVRLFIEFLKN

ADL66254 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

Exendin agonist peptide, SEQ ID No 135.

20-MAY-2004 (first entry)

2×2×2×2×

ADL66255;

to: 28

from: 1 Ź

check: 522

(from "seq5ags.pep" TOIG of: ad166255

ADL66255 standard; peptide; 28

Feb

Fri

to: 28

ADL66253 standard; peptide; 28 AA.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Synthetic

Exendin agonist peptide, SEQ ID No 133.

(first entry

20-MAY-2004

ADL66253;

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers 28

Modified-site

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TOIG of: ad166253 check: 482 from: 1
                                     The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 g of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                       exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                   anorectic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Type: P Check: 131
                               match found in sequence:
dl66252; Exendin agonist peptide, SEQ ID No 132.
(from "seq5ags.pep")
TOIG of: adl66252 check: 131 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 132; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
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                                                                                                                                                                                                                                                   Exendin agonist peptide, SEQ ID No 132
                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                               ADL66252 standard; peptide; 28 AA
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(mohamed337.key)
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                                                                                                                                                                                                             20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-042706/04.
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Found using 'seq5' (mo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                       ADL66252;
                                 match
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                          tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
Pharmaceutical composition for treating diabetes, impaired glucose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length: 28 February 4, 2005 13:32 Type: P Check: 482 ig 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID No 134.
                                                                                                                                                          Disclosure, SEQ ID NO 133; 173pp; English.
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ad166254 ; Exendin agonist peptide, SEQ
(from "seq5ags.pep")
TOIG of: ad166254 check: 43 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66254 standard; peptide; 28 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Found using 'seq5'
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. match found in sequence: ad166253 ; Exendin agonist peptide, SEQ ID No 133. (from "seq5ags.pep")

AGDGTFTSDLSAQLEEEAVRLFIEFLKN

ខ្ល

AGDGTFTSDLAKQLEBEAVRLFIEFLKN

Found using 'seq5' (mohamed337.key)

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exendin; extended-release formulation; plasma level; antidiabetic; ancilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                Check: 492
represents an exendin agonist peptide of the invention.
                                                                                                                                                Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
adl66250 ; Exendin agonist peptide, SEQ ID No 130.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 130; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                             ADL66249 Length: 28 February 4, 2005 13:33 Found using '8eq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide, SEQ ID No 130.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (from "seqSags.pep")
TOIG of: ad166250 check: 53 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL66250 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                             AGDGTFTSDLAKQMEBEAVRLFIEWLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-042706/04.
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                                                                              Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66250;
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ADL66250 Length: 28 February 4, 2005 13:32 Type: P Check: 53

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emperying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 570
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2005 13:32 Type: P
. match found in sequence:
ad166251 ; Exendin agonist peptide, SEQ ID No 131.
(from "seq5ags.pep")
                                                        to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; SEQ ID NO 131; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                  Exendin agonist peptide, SEQ ID No 131
                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
28
                                                      check: 570 from: 1
                                                                                        ADL66251 standard; peptide; 28 AA
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AGDGTFTSDLSAQMEEEAVRLFIEWLKN
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                         WO2003099314-A1
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                                                                                                                                                                                                                                                                                                                                                                                  Modified-site
                                                        TOIG of: ad166251
                                                                                                                                                                20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           34-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young AA,
                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                            ADL66251;
   1 match
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that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, dyslipidaemia, cardiovascular.
                                                                                                                                                                                                 Type: P Check: 810
                                                                                                                                                                                                                                                                                                                           match found in sequence:
ad166248 ; Exendin agonist peptide, SEQ ID No 128.
                                                                                                                                                                                                                                                                                                                                                                             to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 128; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                                               28 February 4, 2005 13:33 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide, SEQ ID No 128.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    note= "Pentylglycine"
                                                                                                                                                                                                                                                                                                                                                                             from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                           ADL66248 standard; peptide; 28 AA
                                                                                                                                                                                                                                                               AGDGTFTSDXSKQMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                            "seq5ags.pep")
of: ad166248 check: 371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-042706/04.
                                                                                                                                                                                               ADL66247 Length: 28
Found using 'seq5' (mo
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                                                                                                                                                                Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL66248;
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   88888888888888
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The invention relates to a novel pharmaceutical composition comprising an exendia (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic,

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
and antilipaemic activities. The novel composition and method in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                    lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
                                                                                                                                                                             6248 Length: 28 February 4, 2005 13:33 Type: P Check: 371 using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                match found in sequence:
ad166249; Exendin agonist peptide, SEQ ID No 129.
(Ifrom "seq5ags.pep")
TOIG of: ad166249 check: 492 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 129; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide, SEQ ID No 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66249 standard, peptide, 28 AA.
                                                                                                                                                                                                                                                     |-----|
AGDGTFTSDXSKQLEEEAVRLFIBFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dyslipidaemia; cardiovascular.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-042706/04.
                                                                                                                                             Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-DEC-2003
  anorectic,
are useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                    ADL66248
                                                                                                                                                                                                         Found
  8888888
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. exendin or an exendin agonist peptide in an extended-release formulation. Disclosure; SEQ ID NO 125; 173pp; English.

Sequence 28 AA;

Type: P Check: 580 ADL66245 Length: 28 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

AGDGTFTSDASKQMEEEAVRLFIEWLKN

ad166246; Exendin agonist peptide, SEQ ID No 126. (from "seq5ags.pep")
TOIG of: ad166246 check: 141 from: 1 to: 28 ADL66246 standard; peptide; 28 AA match found in sequence:

ADL66246;

(first entry) 20-MAY-2004

Exendin agonist peptide, SEQ ID No 126.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1.

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 126; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an

exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, ancetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

8x3333333333333

Sequence 28 AA;

Check: 141 246 Length: 28 February 4, 2005 13:33 Type: Pusing 'seq5' (mohamed337.key) ADL66246 Found

AGDGTFTSDASKOLEEEAVRLFIEFLKN

match found in sequence: ad166247 ; Exendin agonist peptide, SEQ ID No 127. :: :: check: 810 from: 1 (from "seq5ags.pep") TOIG of: ad166247 c

ADL66247 standard; peptide; 28 AA

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 127

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

/note= "Pentylglycine" Location/Qualifiers Kėy Modified-site Modified-site

"C-terminal amide"

/note=

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure, SEQ ID NO 127; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such

WPI; 2004-042706/04.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                           Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin; extended-release formulation; plasma level; antidiabetic; ancrectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66243 Length: 28 February 4, 2005 13:33 Type: P Check: 699 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         L match found in sequence:
adl66244; Exendin agonist peptide, SEQ ID No 124.
(From "seq5ags.pep")
(Toolg of: adl66244 check: 260 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "C-terminal amide"
                                                                                                                                                                                                                      Disclosure; SEQ ID NO 123; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide, SEQ ID No 124.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66244 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGDGTFTSELSKQMEEEAVRLF1EWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       dyslipidaemia; cardiovascular
28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-MAY-2004 (first entry)
                                    (AMYL-) AMYLIN PHARM INC.
                                                                         Kolterman OG;
                                                                                                            WPI; 2004-042706/04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Key
Modified-site
                                                                           Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL66244;
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28-MAY-2003; 2003WO-US016699. 28-MAY-2002; 2002US-00157224.

WO2003099314-A1

04-DEC-2003

AMYL-) AMYLIN PHARM INC Young AA, Kolterman OG;

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                              tolerance, obesity, dyslipidemia or cardiovascular disease comprises an
exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an
                                                   Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Check: 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
adl66245; Exendin agonist peptide, SEQ ID No 125.
(from "seq5ags.pep")
TOIG of: adl66245 check: 580 from: 1 to: 28
                                                                                                                                    Disclosure; SEQ ID NO.124; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            February 4, 2005 13:33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide, SEQ ID No 125.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL66245 standard; peptide; 28 AA.
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AGDGTFTSELSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66244 Length: 28 February 4, Found using 'seq5' (mohamed337.key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66245;
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The invention relates to a novel pharmaceutical composition comprising an extendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25* of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                     Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendin; extended-release formulation; plasma level; antidiabetic; antilipsemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL66242 Length: 28 February 4, 2005 13:33 Type: P Check: 224 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . match found in sequence:
ad166243; Exemin agonist peptide, SEQ ID No 123.
[from "seq5ags.pep"]
TOIG of: ad166243 check: 699 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 122; 173pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide, SEQ ID No 123.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66243 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGDGTFTSALSKQLEEEAVRLF1EFLKN
1
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                                                                        28-MAY-2003; 2003WO-US016699
                                                                                                                      28-MAY-2002; 2002US-00157224
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                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                      Kolterman
                                                                                                                                                                                                                                                                       WPI; 2004-042706/04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
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                       04-DEC-2003
                                                                                                                                                                                                                        Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66243;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66241 Length: 28 February 4, 2005 13:32 Type: P Check: 663 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            adl66242; Exendin agonist peptide, SEQ ID No 122. (from "seq5ags.pep")
TOIG of: adl66242 check: 224 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 121; 173pp; English.
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                                                 /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide, SEQ ID No 122.
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28
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL66242 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGDGTFTSALSKOMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                  28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                 28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                  Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO2003099314-A1
                                                                                                  WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
  Key
Modified-site
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Modified-site
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                                                                                                                                                   04-DEC-2003
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Synthetic

EXTXEXEXEXEXEXEXEX ELEXA

ADL66242;

inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

/note= "C-terminal amide"

WO2003099314-A1.

04-DEC-2003

28-MAY-2003; 2003WO-US016699. 28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers

Key Modified-site

Synthetic.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                    exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66239 Length: 28 February 4, 2005 13:33 Type: P Check: 546 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 119; 173pp; English.
                                                                                                                                                                                                                                                  /note= "C-terminal amide"
               Exendin agonist peptide, SEQ ID No 119.
                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                              28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                        28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                          WO2003099314-A1.
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                                                                                                                                                                                                           Key
Modified-site
                                                                                                                                                                                                                                                                                                                                    04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA,
                                                                                                                                                                 Synthetic
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 120; 173pp; English.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 agonic the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by the composition and method are useful and antilipaemic activities.
                                                                                                                                                                                                                                                                                     lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exendin; extended-release formulation; plasma level; antidiabetic; ancetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolorance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
ad166241 ; Exendin agonist peptide, SEQ ID No 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ţ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide, SEQ ID No 121.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66241 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AGDGTFTADLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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TOIG of: ad166241
                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying;

Exendin agonist peptide, SEQ ID No 120.

20-MAY-2004 (first entry)

ADL66240;

match found in sequence: ad166240 ; Exendin agonist peptide, SEQ ID No 120.

AGDGTFTADLSKOMEEEAVRLF1EWLKN

to: 28

from: 1

(from "seq5ags.pep") TOIG of: ad166240 check: 107

ADL66240 standard; peptide; 28 AA

exendin; extended-release formulation; plasma level; antidiabetic;

Exendin agonist peptide, SEQ ID No 118.

(first entry

20-MAY-2004

ADL66238;

ADL66238 standard; peptide; 28 AA.

anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,

dyslipidaemia; cardiovascular.

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC Kolterman

WPI; 2004-042706/04.

Young AA,

Location/Qualifiers 28

Key Modified-site

Synthetic

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           extendin; extended-release formulation; plasma level; antidiabetic; annorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type: P Check: 683
                                 ad166237; Exendin agonist peptide, SEQ ID No 117. (from "seq5ags.pep")
TOIG of: ad166237 check: 683 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 117; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      February 4, 2005 13:33
                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide, SEQ ID No 117.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                              ADL66237 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66237 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-042706/04.
match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2003099314-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                           20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                            ADL66237;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 go of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pharmaceutical composition for treating diabetes, impaired glucose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Check: 244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66238 Length: 28 February 4, 2005 13:33 Type: P
ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
ad166239 ; Exendin agonist peptide, SEQ ID No 119.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 118; 173pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66239 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGDGTFSSDLSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Found
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match found in sequence: ad166238; Exendin agonist peptide, SEQ ID No 118. (from "seq5ags.pep") TOIG of: ad166238 check: 244 from: 1 to: 28

AGDGTFSSDLSKOMEEEAVRLFIEWLKN

|------AGDGAFTSDLSKQLBEEAVRLFIEFLKN

match found in sequence:
ad16623; Exemain agonist peptide, SEQ ID No 115.
(from "seq5ags.pep")
TOIG of: ad166235 check: 798 from: 1 to: 28 match found

ADL66235 standard; peptide; 28 AA

ADL66235;

(first entry) 20-MAY-2004

Exendin agonist peptide, SEQ ID No 115.

exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity; hyperglycaemia, dyslipidaemia; cardiovascular.

Synthetic

Location/Qualifiers Key Modified-site

/note= "C-terminal amide" 'note= "Naphthylalanine" Modified-site

WO2003099314-A1

04-DEC-2003,

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 115; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilippemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention

Sequence 28 AA;

Check: 798 ADL66235 Length: 28 February 4, 2005 13:33 Type: P Found using 'seq5' (mohamed337.key)

AGDGTXTSDLSKQMEEEAVRLFIEWLKN

28

1 match found in sequence:
adl66236 ; Exendin agonist peptide, SEQ ID No 116.
(from "seq5ags.pep")
TOIG of: adl66236 check: 359 from: 1 to: 28

ADL66236 standard; peptide; 28 AA.

ADL66236;

(first entry) 20-MAY-2004

Exendin agonist peptide, SEQ ID No 116.

exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

Location/Qualifiers Key Modified-site

"C-terminal amide" 'note= "Naphthylalanine" /note= Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

WPI; 2004-042706/04.

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Kolterman

Young AA,

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 116; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 cf the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

ADL66236 Length: 28 February 4, 2005 13:32 Type: P Check: 359 Found using 'seq5' (mohamed337.key)

AGDGTXTSDLSKQLEEEAVRLFIEFLKN 1

seq5_ags.res

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
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are useful in treating diabetes and conditions that would be benefited lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impairzed glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                 2005 13:32 Type: P Check: 251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
ad166233; Exendin agonist peptide, SEQ ID No 113.
(from "seq5ags.pep")
TOIG of: ad166233 check: 595 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure, SEQ ID NO 113; 173pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide, SEQ ID No 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66233 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |------AGDGTFTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                 ADL66232 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           dyslipidaemia; cardiovascular,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-MAY-2003; 2003WO-US016699.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                              Sequence 28 AA;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 to the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin; extended-release formulation; plasma level; antidiabetic; ancrectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
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                                      Check: 595
                                  ADL66233 Length: 28 February 4, 2005 13:32 Type: Pound using 'seq5' (mohamed337.key)
                                                                                                                                                                                         1 match found in sequence:
ad166234 ; Exendin agonist peptide, SEQ ID No 114.
(from "seq5ags.pep")
TOIG of: ad166234 check: 156 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 114; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide, SEQ ID No 114.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                             ADL66234 standard; peptide; 28 AA.
                                                                                                                AGDGAPTSDLSKQMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO2003099314-A1
Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Key
Modified-site
                                                             Found using 'seq5'
                                                                                                                                                                                                                                                                                                                                                                        20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                   ADL66234;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Disclosure, SEQ ID NO 110; 173pp; English.

Sequence 28 AA;

Type: P Check: 242 February 4, 2005 13:33 ADL66230 Length: 28 February 4, Found using 'seq5' (mohamed337:key)

|-----| AAEGTFTSDLSKQLEEEAVRLFIEFLKN 1

adl66231; Exendin agonist peptide, SEQ ID No 111. (from "seq5ags.pep") TOIG of: adl66231 check: 690 from: 1 to: 28 match found in sequence:

ADL66231;

ADL66231 standard; peptide; 28 AA.

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 111.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; foung AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 111; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined

release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

888888888888888

Sequence 28 AA;

Check: 690 ADL66231 Length: 28 February 4, 2005 13:33 Type: P Found using 'seq5' (mohamed337.key)

AGDGTFTSDLSKQMEEEAVRLFIEWLKN 28

adl66232 ; Exendin agonist peptide, SEQ ID No 112. (from "seq5ags.pep")
TOIG of: adl66232 check: 251 from: 1 to: 28 1 match found in sequence:

ADL66232 standard; peptide; 28 AA.

ADL66232;

(first entry) 20-MAY-2004

Exendin agonist peptide, SEQ ID No 112.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 112; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 gg/ml is achieved for at least 2\$ the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66228 Length: 28 February 4, 2005 13:33 Type: P Check: 590 Found using '8eq5' (mohamed337.key)
                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 108; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDASKQMEEEAVRLFIEWLKN
(AMYL-) AMYLIN PHARM INC.
                                                 Kolterman OG;
                                                                                                  WPI; 2004-042706/04.
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                                                      Young AA,
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28-MAY-2002; 2002US-00157224.
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(from "seq5ags.pep") TOIG of: ad166230 c
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                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
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                                                                                                                        ADL66230;
                                                                                                                                                                                                                                                                                                                                                                                              exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                          anorectic, antilipaemic, diabetes, glucose, gastric emptying,
inhibiting food intake, tolerance, obesity, hyperglycaemia,
                                                                       match found in sequence:
ad166229; Exendin agonist peptide, SEQ ID No 109.
(from "seq5ags.pep")
TOIG of: ad166229 check: 681 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide, SEQ ID No 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                ADL66229 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dyslipidaemia; cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-MAY-2003; 2003WO-US016699
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Modified-site
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Synthetic

ADL66229;

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
            Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66229 Length: 28 February 4, 2005 13:33 Type: P Check: 681
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ad166230 ; Exendin agonist peptide, SEQ ID No 110.
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                                                                                              Disclosure; SEQ ID NO 109; 173pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAEGTFTSDLSKQMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
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/note= "C-terminal amide"
                              WPI; 2004-042706/04
    WO2003099314-A1
                                                                                                                                                      WO2003099314-A1
                                                                             Sequence 28 AA;
                                                                                                                                                Modified-site
        04-DEC-2003
                          Young AA,
                                                                                                                                         Synthetic
                                                                                                                  ADL66227;
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The invention relates to a novel pharmaceutical composition comprising an formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a macount such that, when the composition is administered to a human, an awerage sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. represents an exendin agonist peptide of the invention Disclosure; SEQ ID NO 106; 173pp; English. 28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224 (AMYL-) AMYLIN PHARM INC. Kolterman OG

ADL66226 Length: 28 February 4, 2005 13:32 Type: P Check: 676 Found using 'seq5' (mohamed337.key)

HGEATFTSDLSKQMEEEAVRLFIEWLKN

ADL66227 standard; peptide; 28 AA

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

/note= "C-terminal amide" Location/Qualifiers

04-DEC-2003

match found in sequence:
ad166227; Exendin agonist peptide, SEQ ID No 107.
[from "seq5ags.pep"]
TOIG of: ad166227 check: 673 from: 1 to: 28

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 107.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 107; 173pp; English

The invention relates to a novel pharmaccutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

ADL66227 Length: 28 February 4, 2005 13:33 Type: P Check: 673 ound using 'seq5' (mohamed337.key) Found

HGEGTFTSALSKOMEEEAVRLFIEWLKN

. match found in sequence:
ad166228 ; Exendin agonist peptide, SEQ ID No 108.
(from "seq5ags.pep")
TOIG of: ad166228 check: 590 from: 1 to: 28

ADL66228 standard; peptide; 28 AA.

ADL66228;

Exendin agonist peptide, SEQ ID No 108.

(first entry)

20-MAY-2004

exendin; extended-release formulation; plasma level; antidiabetic; antidipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

28-MAY-2003; 2003WO-US016699

04-DEC-2003

28-MAY-2002; 2002US-00157224

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
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           exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL66224 Length: 28 February 4, 2005 13:33 Type: P Check: 693 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
ad166225 ; Exendin agonist peptide, SEQ ID No 105.
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                                                                                                                                                                                         /note= "C-terminal amide"
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                                                                                                                                       Location/Qualifiers
28
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                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman OG;
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of: ad166225 c
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                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA,
                                                                                                             Synthetic
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglyvaemia, dyalipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 105; 173pp; English.
                                                                                  /note= "C-terminal amide"
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                                           Location/Qualifiers
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TOIG of: ad166226
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Modified-site
                                                                 Modified-site
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               Synthetic.
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%XCCCCCCCCCCCCX8X444X6X4X4X4X4X4X44444X8X2CCCCCCCCCCCCCCCCCX8X4444X
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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
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                    to: 28
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                                                                                                                                                                Exendin agonist peptide, SEQ ID No 102.
                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                    from: 1
                                                    ADL66222 standard; peptide; 28 AA
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(from "seq5ags.pep")
TOIG of: ad166222 check: 237
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                                                                                                                                                                                                                                                                                           Synthetic.
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ADL66222 Length: 28 February 4, 2005 13:33 Type: P Check: 237 Found using 'seq5' (mohamed337.key)

HGEATFTSDLSKQLEEEAVRLFIEFLKN 1

match found in sequence: ad166223 ; Exendin agonist peptide, SEQ ID No 103. (from "seq5ags.pep")
TOIG of: adl66223 check: 234 from: 1

ADL66223 standard; peptide; 28 AA.

```
Exendin agonist peptide, SEQ ID No 103.
                                  (first entry)
                                  20-MAY-2004
ADL66223;
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exendin; extended-release formulation; plasma level; antidiabetic; antidipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers 28 Key Modified-site

WO2003099314-A1.

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 103; 173pp; English.

exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25* of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. The invention relates to a novel pharmaceutical composition comprising an

Sequence 28 AA;

February 4, 2005 13:33 Type: P Check: 234 ADL66223 Length: 28 February 4, Found using 'seq5' (mohamed337.key)

|------| HGEGTFTSALSKQLEBEBAVRLFIEFLKN 1

1 match found in sequence:
adl66224 ; Exendin agonist peptide, SEQ ID No 104.
(from "seq5ags.pep")
TOIG of: adl66224 check: 693 from: 1 to: 28 \$ ADL66224 standard; peptide; 28

ADL66224; 8 X Z X E X B

(first entry) 20-MAY-2004

Exendin agonist peptide, SEQ ID No 104.

seq5_ags.res

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ADL66219 Length: 37 February 4, 2005 13:33 Type: P Check: 4015 Found using 'seq5' (mohamed337.key)
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HGEGTFTSDASKOMEEBAVRLFIEWLKNGGXSSGAXX

match found in sequence:
did6220; Exendin agonist peptide, SEQ ID No 100.
(from "seq5ags.pep")
TOIG of: ad166220 check: 254 from: 1 to: 28

ADL66220 standard; peptide; 28 AA

ADL66220;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 100.

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 100; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 2.5 g of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention

Sequence 28 AA;

Type: P Check: 254 ADL66220 Length: 28 February 4, 2005 13:33 ound using 'seq5' (mohamed337.key) Found using 'seq5'

AGEGTFTSDLSKQLBEEAVRLFIEFLKN

28

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1 match found in sequence:
adl66221 ; Exendin agonist peptide, SEQ ID No 101.
(from "seq5ags.pep")
TOIG Of: adl66221 check: 249 from: 1 to: 28
```

ADL66221 standard; peptide; 28 AA

ADL66221;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 101.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

Kolterman Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 101; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 fg/ml is achieved for at least 25 another composition and mathiapaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

ADL66221 Length: 28 February 4, 2005 13:33 Type: P Check: 249 Found using '8eq5' (mohamed337.key)

HGAGTFTSDLSKQLEEEAVRLFIEFLKN 28

match found in sequence: ad166222 ; Exendin agonist peptide, SEQ ID No 102. 1 match

seq5_ags.res

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inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
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Sequence 33 AA;

88666

Check: 2215 Type: P 2005 13:33 ADL66217 Length: 33 February 4, Found using 'seq5' (mohamed337.key)

HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS

ad166218 ; Exendin agonist peptide, SEQ ID No 98. check: 2649 from: 1 1 match found in sequence: (from "seq5ags.pep") TOIG of: ad166218

ADL66218 standard; peptide; 29 AA.

ADL66218;

(first entry) 20-MAY-2004

Exendin agonist peptide, SEQ ID No 98.

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure, SEQ ID NO 98; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 29 AA;

```
P Check: 2649
    Type:
ADL66218 Length: 29 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)
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```
HGEGTFTSDASKOMEEEAVRLFIEWLKNG
1
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adl66219; Exemdin agonist peptide, SEQ ID No 99. (from "seq5ags.pep")
TOIG of: adl66219 check: 4015 from: 1 to: 37
1 match found in sequence:
```

ADL66219 standard; peptide; 37 AA.

ADL66219;

Exendin agonist peptide, SEQ ID No 99.

(first entry)

20-MAY-2004

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

/note= "Homoproline" Location/Qualifiers .37 Modified-site Modified-site

/note= "C-terminal amide" /note= "Homoproline" 37 Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 99; 173pp; English.

exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25* of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. The invention relates to a novel pharmaceutical composition comprising an

Sequence 37 AA;

exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, ancectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. The invention relates to a novel pharmaceutical composition comprising an 8888888888888888888

Sequence 28 AA;

ADL66215 Length: 28 Pebruary 4, 2005 13:33 Type: P Check: 1045 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKOMEEEAVRLFXEWLKN

adl66216 ; Exendin agonist peptide, SEQ ID No 96. (from "seq5ags.pep")
TOIG of: adl66216 check: 237 from: 1 to: 28 match found in sequence:

ADL66216 standard; peptide; 28 AA

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 96.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

ġ

Kolterman

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. Disclosure; SEQ ID NO 96; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average

sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has anticlabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impatred glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

888888888888

Sequence 28 AA;

Check: 237 Type: P ADL66216 Length: 28 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIDFLKN 1

1 match found in sequence:
adi66217; Exemdin agonist peptide, SEQ ID No 97.
(from "seq588.pep,"
TOIG of: adi66217 check: 2215 from: 1 to: 33 ADL66217 standard; peptide; 33 AA. 20-MAY-2004 (first entry)

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. Exendin agonist peptide, SEQ ID No 97.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 97; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, another another and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastif emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hypexglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. Disclosure; SEQ ID NO 93; 173pp; English.

Sequence 28 AA;

ADL66213 Length: 28 February 4, 2005 13:33 Type: P Check: 381 Found using 'seq5' (mohamed337.key)

:

HGEGTFTSDXSKQLEEEAVRLFIEFLKN 1

match found in sequence: ad166214 ; Exendin agonist peptide, SEQ ID No 94. check: 657 from: 1 ADL66214 standard; peptide; 28 AA. (from "seq5ags.pep" TOIG of: ad166214

to: 28

ADL66214;

Exendin agonist peptide, SEQ ID No 94. (first entry) 20-MAY-2004

exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" 'note= "Naphthylalanine" Location/Qualifiers Modified-site Modified-site

WO2003099314-Al

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

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exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 to the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                            The invention relates to a novel pharmaceutical composition comprising an
                         Disclosure; SEQ ID NO 94; 173pp; English.
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Sequence 28 AA;

ADL66214 Length: 28 February 4, 2005 13:33 Type: P Check: 657 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLXIEFLKN

1 match found in sequence: adi66215 ; Exendin agonist peptide, SEQ ID No 95. check: 1045 from: 1 to: 28 (from "seq5ags.pep") TOIG of: ad166215 c

ADL66215 standard; peptide; 28 AA. 20-MAY-2004 (first entry) ADL66215;

Exendin agonist peptide, SEQ ID No 95.

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardicovascular.

Synthetic.

'note= "Tertiary-butylglycine" /note= "C-terminal amide" Location/Qualifiers Modified-site Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224. (AMYL-) AMYLIN PHARM INC.

Kolterman Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 95; 173pp; English.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

WPI; 2004-042706/04.

Disclosure; SEQ ID NO 92; 173pp; English.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                               Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin; extended-release formulation; plasma level; antidiabetic; anotitipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL66211 Length: 28 February 4, 2005 13:33 Type: P Check: 701 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
ad166212 ; Exendin agonist peptide, SEQ ID No 92.
                                                                                                                                                                                                                          Disclosure; SEQ ID NO 91; 173pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 649 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL66212 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFSTDLSKQMEEEAVRLFIEWLKN
1
28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAY-2004 (first entry)
                                   (AMYL-) AMYLIN PHARM INC.
                                                                        Young AA, Kolterman OG;
                                                                                                            WPI; 2004-042706/04.
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TOIG of: ad166212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, of the predetermined ancients error of the predetermined ancients and ordering lasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyalipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                         ADL66212 Length: 28 February 4, 2005 13:33 Type: P Check: 649 Found using '8eq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
ad166213 ; Exendin agonist peptide, SEQ ID No 93.
(from "seq5ags.pep")
TOIG of: ad166213 check: 381 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide, SEQ ID No 93.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL66213 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                              |------|
HGEGTFTSELSKQMAEEAVRLFIEWLKN
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-MAY-2002; 2002US-00157224.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66213;
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/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC. Young AA, Kolterman OG;

Location/Qualifiers

Key Modified-site

Synthetic

28-MAY-2003; 2003WO-US016699. 28-MAY-2002; 2002US-00157224.

04-DEC-2003.

(AMYL-) AMYLIN PHARM INC

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                          Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin; extended-release formulation; plasma level; antidiabetic; antolipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL66209 Length: 28 February 4, 2005 13:33 Type: P Check: 369
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
ad166210; Exendin agonist peptide, SEQ ID No 90.
(from "seq5ags.pep")
TOIG of: ad166210 check: 693 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 89; 173pp; English
/note= "Naphthylalanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide, SEQ ID No 90.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66210 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTXTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                          28-MAY-2002; 2002US-00157224.
                                                                                                                                                    28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAY-2004 (first entry)
                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                   Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                       WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2003099314-A1
                                                                           WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Modified-site
                   Modified-site
                                                                                                              04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66210;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                        Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66210 Length: 28 February 4, 2005 13:32 Type: P Check: 693 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
adl66211; Exemin agonist peptide, SEQ ID No 91.
[from "seq5ags.pep"]
TOIG of: adl66211 check: 701 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 90; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide, SEQ ID No 91.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL66211 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGTFSSDLSKOMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66211;
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Fri Feb

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
          exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type: P Check: 7463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               adl66208; Exendin agonist peptide, SEQ ID No 88. (from "seq5ags.pep")
TOIG of: adl66208 check: 4886 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66207 Length: 35 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 87; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide, SEQ ID No 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL66208 standard; peptide; 30 AA.
                                                                                                                                                                                                                                                                                                                                                          28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                    28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
                                                                                                                                                                                                                                       WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 35 AA;
                                                                                                                                                          Key
Modified-site
                                                                                                                                                                                                                                                                             04-DEC-2003
                                                                                                                Synthetic
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gateric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyalipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                         Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66208 Length: 30 February 4, 2005 13:33 Type: P Check: 4886 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
ad166209 ; Exendin agonist peptide, SEQ ID No 89.
                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 88; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide, SEQ ID No 89.
                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   check: 369 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66209 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |-----|
HGDGTFTSDLSKQMEBEAVRLFIEWLKNGG
                                                                                                                                                                                                                      28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                      28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                         Kolterman OG;
                                                                                                                                                                                                                                                                                                                       WPI; 2004-042706/04
                                                                                                                  WO2003099314-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (from "seq5ags.pep")
TOIG of: ad166209 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 30 AA;
                                                                Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-MAY-2004
                                                                                                                                                  04-DEC-2003.
                                                                                                                                                                                                                                                                                           Young AA,
                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL66209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Found
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exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Location/Qualifiers 6

Key Modified-site

Synthetic

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 86.

20-MAY-2004 (first entry)

/note= "Homoproline residue with C-terminal amide"

WO2003099314-A1.

04-DEC-2003.

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

/note= "Homoproline" Location/Qualifiers

> Modified-site Modified-site

Synthetic.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a mount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The movel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obssity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Type: P Check: 4125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2005 13:32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure, SEQ ID NO 85; 173pp; English
                                                      Exendin agonist peptide, SEQ ID No 85.
                                                                                                                                                                                                                                                    note= "Homoproline"
                                                                                                                                                                                                                                                                                      'note= "Homoproline"
                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length: 37 February 4, g 'seg5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                    28-MAY-2003; 2003WO-US016699
                  20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                             WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 37 AA;
                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                                                          Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                  04-DEC-2003
                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66205
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 86; 173pp; English.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabelic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                     lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Check: 869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
adl66207; Exemdin agonist peptide, SEQ ID No 87.
(from "seq5ags.pep")
TOIG of: adl66207 check: 7463 from: 1 to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        February 4, 2005 13:32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide, SEQ ID No 87.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL66207 standard; peptide; 35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66206 Length: 36 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 36 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-MAY-2004
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match found in sequence: ad166206; Exendin agonist peptide, SEQ ID No 86. (from "seq5ags.pep") TOIG of: ad166206 check: 869 from: 1 to: 36

ADL66206 standard; peptide; 36 AA

ADL66206

BXXX

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXX

Found using

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 84.

(first entry)

20-MAY-2004

ADL66204;

/note= "C-terminal amide"

WO2003099314-A1.

04-DEC-2003.

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC Kolterman

WPI; 2004-042706/04.

Young AA,

/note= "N-methylalanine" /note= "N-methylalanine"

Location/Qualifiers

Key Modified-site Modified-site Modified-site

Synthetic.

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the invention capable of releasing the peptide over a predetermined formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyglipidaemia or cardiovascular disease. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                            exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Type: P Check: 3541
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2005 13:33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 83; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               note= "N-methylalanine"
                                                                                                                                                                                                                             Exendin agonist peptide, SEQ ID No 83.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
ADL66203 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66203 Length: 37 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                      dyslipidaemia; cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2002; 2002US-00157224
                                                                                                                                                      20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                           ADL66203;
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0XCCCCCCCCCCCCX8X41414X8X8X8X8X8X8X1414X8X8X8X8X8

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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anoancetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Check: 4125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           $204 Length: 37 February 4, 2005 13:33 Type: Pusing 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
ad166205 ; Exendin agonist peptide, SEQ ID No 85.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 84; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTPTSDLSKQMEEEAVRLPIEWLKNGGXSSGAXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL66205 standard; peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 4125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq5ags.pep")
TOIG of: ad166205 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL66205;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Found
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HXX
```

match found in sequence:
adi66204; Exendin agonist peptide, SEQ ID No 84.
[from seq5ags.pep.]
TOIG of: adi66204 check: 4125 from: 1 to: 37

ADL66204 standard; peptide; 37 AA

|------| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAPP

82

adl66202 ; Exendin agonist peptide, SEQ ID No

```
Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                        exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
        adl66201; Exemdin agonist peptide, SEQ ID No 81.
(from "seq5ags.pep")
TOIG of: adl66201 check: 7469 from: 1 to: 38
                                                                                                                                                                                                                                                                                 /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 81; 173pp; English.
                                                                                                                    Exendin agonist peptide, SEQ ID No 81.
                                                                                                                                                                                                                                                36. .38
/note= "Thioproline"
                                                                                                                                                                                                                                     note= "Thioproline"
                                                                                                                                                                                                                  Location/Qualifiers
                                                     ADL66201 standard; peptide; 38 AA.
                                                                                                                                                                                                                                                                                                                                                                     28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                28-MAY-2003; 2003WO-US016699
                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                               Kolterman
match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                      WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 38 AA;
                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                 Modified-site
                                                                                                                                                                                                                                                                       Modified-site
                                                                                                20-MAY-2004
                                                                                                                                                                                                                                                                                                                           04-DEC-2003
                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                              Young AA,
                                                                         ADL66201;
```

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Length: 38 February 4, 2005 13:33 Type: P Check: 7469
g 'seq5' (mohamed337.key) Found using 'seq5'

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|-----
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXX
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1 match found in sequence:

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasms glucose or delaying and/or slowing gastric emptying or lowering plasms glucose or delaying and/or slowing gastric emptying or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                        extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Check: 7221
                                                                                                                                                                                                                          anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66202 Length: 38 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337 key)
                 to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L match found in sequence:
ad166203; Exendin agonist peptide, SEQ ID No 83.
(from "seq5ags.pep")
TOIG of: ad166203 check: 3541 from: 1 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 82; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX
                                                                                                                                                                     Exendin agonist peptide, SEQ ID No 82.
                   from: 1
                                                                                                                                                                                                                                                                                                                                                             36. .38
/note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                        Ž
                                                        38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-MAY-2003; 2003WO-US016699
                                                      ADL66202 standard; peptide;
                   check: 7221
                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-042706/04.
(from "seq5ags.pep")
TOIG of: ad166202
                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2003099314-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                         Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                              Modified-site
                                                                                                                                20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-DEC-2003.
                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA,
                                                                                           ADL66202;
                                                                                                                                                                                                          exendin;
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Sequence 30.AA;
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င္တ

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Type: P Check: 4450
ADL66198 Length: 30 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
```

|-----| HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG

match found in sequence: ad166199 ; Exendin agonist peptide, SEQ ID No 79. : : (from "seq5ags.pep")
TOIG of: ad166199 check: 2759 from: 1

ADL66199 standard; peptide; 29 AA.

ADL66199;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 79.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic

Location/Qualifiers Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

%XCCCCCCCCCCCX8X444X8X1X4X4X4X4X4X4X4X4X4X4X4X4X4X

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 79; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 soft the predetermined release period. The composition and mathiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention

Sequence 29 AA;

ADL66199 Length: 29 February 4, 2005 13:32 Type: P Check: 2759 Found using 'seq5' (mohamed337.key)

```
HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
```

1 match found in sequence:
ad166200; Exendin agonist peptide, SEQ ID No 80.
(from "seq5ags.pep")
TOIG of: ad166200 check: 2320 from: 1 to: 29

ADL66200 standard; peptide; 29 AA.

(first entry) 20-MAY-2004

Exendin agonist peptide, SEQ ID No 80.

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

Location/Qualifiers 29 Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure, SEQ ID NO 80, 173pp, English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined trelease period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 254 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 29 AA;

ADL66200 Length: 29 February 4, 2005 13:33 Type: P Check: 2320 Found using 'seqs' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNG

ö

that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 888888888888

Sequence 31 AA;

ADL66196 Length: 31 February 4, 2005 13:33 Type: P Check: 7369 Found using '8eq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGP

match found in sequence:
ad166197; Exendin agonist peptide, SEQ ID No 77.
(from seq5ags.pep")
TOIG of: ad166197 check: 6930 from: 1 to: 31

ADL66197 standard; peptide; 31 AA 20-MAY-2004 (first entry) ADL66197;

Exendin agonist peptide, SEQ ID No 77.

exendin, extended-release formulation; plasma level; antidiabetic; ancilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. Disclosure; SEQ ID NO 77; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a meount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 55 fg/ml and exclieved for at least 55 and the composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by

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sequence
lowering plasma glucose or delaying and/or slowing gastric emptying inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequen represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                    exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                           February 4, 2005 13:32 Type: P Check: 6930
                                                                                                                                                             . match found in sequence:
adl66198 ; Exemdin agonist peptide, SEQ ID No 78.
(from "seq5ags.pep")
TOIG of: adl66198 check: 4450 from: 1 to: 30
                                                                                                                                                                                                                                                                                   Exendin agonist peptide, SEQ ID No 78.
                                                                                                             |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
                                                                                                                                                                                                                    ADL66198 standard; peptide; 30 AA
                                                                                      Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                               (first entry)
                                                                             ADL66197 Length: 31
                                                        Sequence 31 AA;
                                                                                                                                                                                                                                                               20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                          ADL66198;
                                                                                                                                                                 1 match
                                                                                                                                                                                                                       ន្តដ្ឋនូវ
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30 /note= "C-terminal amide" Location/Qualifiers 28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699 (AMYL-) AMYLIN PHARM INC. WO2003099314-A1 Key Modified-site 04-DEC-2003

ŝ Kolterman Young AA, WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 78; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 74; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptrying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 32 AA;

Type: P Check: 25 ADL66194 Length: 32 Pebruary 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPS

SEQ ID No 75. to: 32 check: 9586 from: 1 adl66195 ; Exendin agonist peptide,
 (from "seq5ags.pep")
TOIG of: adl66195 check: 9586 fro found in sequence: match

ADL66195 standard; peptide; 32 AA

ADL66195;

20-MAY-2004 (first entry)

extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; Exendin agonist peptide, SEQ ID No 75 exendin;

dyslipidaemia; cardiovascular

Synthetic

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 75; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 32 AA;

ADL66195 Length: 32 February 4, 2005 13:33 Type: P Check: 9586 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPS

match found in sequence: ad166196 ; Exendin agonist peptide, SEQ ID No 76. from: 1 to: 31 ADL66196 standard; peptide; 31 AA n "seq5ags.pep") of: ad166196 check: 7369 ADL66196; TOIG

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 76.

exendin; extended-release formulation; plasma level; antidiabetic; anotilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardicovascular.

Synthetic

Location/Qualifiers Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC. Kolterman OG; Young AA,

WPI; 2004-042706/04.

tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. Pharmaceutical composition for treating diabetes, impaired glucose

Disclosure; SEQ ID NO 76; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 to the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                           Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Type: P Check: 2764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
adl66193; Exendin agonist peptide, SEQ ID No 73.
(from "seq5ag.pep)
TOIG of: adl66193 check: 2325 from: 1 to: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL66192 Length: 33 February 4, 2005 13:33
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 72; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide, SEQ ID No 73...
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HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66193 standard; peptide; 33 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    dyslipidaemia; cardiovascular
                                      28-MAY-2002; 2002US-00157224.
28-MAY-2003; 2003WO-US016699.
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                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                 Kolterman OG;
                                                                                                                                                       WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 33 AA;
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                                                                                                                   Young AA,
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                     Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66193 Length: 33 February 4, 2005 13:33 Type: P Check: 2325 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           adl66194; Exendin agonist peptide, SEQ ID No 74. (from "seq5ags.pep")
TOIG of: adl66194 check: 25 from: 1 to: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
                                                                                                                                                                       Disclosure; SEQ ID NO 73; 173pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66194 standard; peptide; 32 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28-MAY-2002; 2002US-00157224.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL66194;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Found
XHXHXBXBXBXBXBXHLHXBXBXHXBXHXXBXHXXBX
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined tralease period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyalipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                     Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL66191 Length: 34 February 4, 2005 13:33 Type: P Check: 4739 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
ad166192; Exendin agonist peptide, SEQ ID No 72.
(from "seq5ags.pep")
TOIG of: ad166192 check: 2764 from: 1 to: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 71; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide, SEQ ID No 72.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL66192 standard; peptide; 33 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   dyslipidaemia; cardiovascular
                                                                                                                                                                        28-MAY-2002; 2002US-00157224.
                                                                                                                        28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                           Kolterman OG;
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                       WO2003099314-A1
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                                                                      04-DEC-2003
                                                                                                                                                                                                                                                                           Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL66190 Length: 34 February 4, 2005 13:33 Type: P Check: 5178 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
ad166191 ; Exendin agonist peptide, SEQ ID No 71.
(from "seq5ags.pep")
TOIG of: ad166191 check: 4739 from: 1 to: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                 /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 70; 173pp; English.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSG
                                            Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL66191 standard; peptide; 34 AA
                                                                                                                                                                                                                                                    28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                   28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-042706/04
                                                                                                                                                WO2003099314-A1
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Modified-site
                                                                      Modified-site
                                                                                                                                                                                                  04-DEC-2003
Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                         Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66191;
                                                       Key
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113X8X444X8X6X1X4X8

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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 68; 173pp; English.
                              Exendin agonist peptide, SEQ ID No 68.
                                                                                                                    Location/Qualifiers
                                                                               dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                         28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                     28-MAY-2003; 2003WO-US016699
         (first entry)
                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                 Kolterman OG;
                                                                                                                                                                                                                                                                                   WPI; 2004-042706/04
                                                                                                                                                             WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 35 AA;
                                                                                                                       Key
Modified-site
                                                                                                                                                                                 04-DEC-2003.
         20-MAY-2004
                                                                                                                                                                                                                                                                 Young AA,
                                                                                                   Synthetic
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma splucese or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Type: P Check: 7453 ADL66188 Length: 35 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA

; t adl66189 ; Exendin agonist peptide, SEQ ID No check: 7014 from: 1 match found in sequence: (from "seq5ags.pep' TOIG of: ad166189

69 35

Ź

ADL66189 standard; peptide; 35

20-MAY-2004 (first entry) ADL66189;

Exendin agonist peptide, SEQ ID No 69. 22225222 2622252

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 69; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the pertide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention

Sequence 35 AA;

ADL66189 Length: 35 February 4, 2005 13:32 Type: P Check: 7014 ound using 'seq5' (mohamed337.key) Found

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA

match found in sequence:
ad166190; Exemdin agonist peptide, SEQ ID No 70.
(from seq5ags.pep)
TOIG of: ad166190 check: 5178 from: 1 to: 34 ADL66190 standard; peptide; 34 AA ADL66190;

(first entry)

20-MAY-2004

exendin; extended-release formulation; plasma level; antidiabetic; anotectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. Exendin agonist peptide, SEQ ID No 70.

(from "seq5ags.pep" TOIG of: ad166186

ADL66186;

to: 36

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exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                            exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipideemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length: 36 February 4, 2005 13:33 Type: P
g 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .match found in sequence:
ad166188; Exemina agonist peptide, SEQ ID No 68.
(ffrom seegage.pep.)
TOIG of: ad166188 check: 7453 from: 1 to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 67; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAP
                                                                                                                                                                                                  Exendin agonist peptide, SEQ ID No 67.
from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66188 standard; peptide; 35 AA.
                                               ADL66187 standard; peptide; 36 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-MAY-2003; 2003WO-US016699
TOIG of: ad166187 check: 9894
                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kolterman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2003099314-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Found using 'seq5
                                                                                                                                                20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA,
                                                                                                 ADL66187;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66187
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                                                 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                             exendin; extended-release formulation; plasma level; antidiabetic; anotilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
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ad166187 ; Exendin agonist peptide, SEQ ID No 67.
(from "seq5ags.pep")
                                          match found in sequence:
adi66186 ; Exendin agonist peptide, SEQ ID No 66.
                                                                                                                           to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 66; 173pp; English.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide, SEQ ID No 66.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
36
                                                                                                                         from: 1
                                                                                                                                                                           ADL66186 standard; peptide; 36 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66186 Length: 36 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2003; 2003WO-US016699
                                                                                                                         check: 333
                                                                                                                                                                                                                                                                               20-MAY-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA, Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-042706/04.
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WO2003099314-A1

04-DEC-2003

Modified-site

Synthetic

Check: 9894

Sequence 36 AA;

ADL66188;

SXS

Found using 'seq5' (mohamed337.key)

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition and mathod and natilipaemic activities. The novel composition and mathod are useful in treating diabetes and conditions that would be benefited by
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying; inhibiting food intake, tolerance, obesity, hyperglycaemia;
                                                                                                                                                Check: 5894
represents an exendin agonist peptide of the invention.
                                                                                                                                                    Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
ad166184; Exendin agonist peptide, SEQ ID No 64.
[from "seq5ags.pep"]
TOIG of: ad166184 check: 3293 from: 1 to: 37
                                                                                                                                        ADL66183 Length: 38 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 64; 173pp; English.
                                                                                                                                                                                                                                                                  |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide, SEQ ID No 64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL66184 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-042706/04.
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                                                                              Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
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ADL66184 Length: 37 February 4, 2005 13:33 Type: P Check: 3293

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                           exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, dyslipidaemia, cardiovascular.
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                                                                        1 match found in sequence:
ad166185 ; Exendin agonist peptide, SEQ ID No 65.
(from "seq5ags.pep")
TOIG of: ad166185 check: 2854 from: 1 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 65; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                           Exendin agonist peptide, SEQ ID No 65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
37
                                                                                                                                                                         ADL66185 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-MAY-2002; 2002US-00157224.
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                                                                                                                                                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Key
Modified-site
                                                                                                                                                                                                                                                      20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                  ADL66185;
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Fri Feb

formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition has antidiabetic, are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or linhibiting food intake, such as impaired glucose tolerance, obseity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

ADL66181 Length: 28 February 4, 2005 13:33 Type: P Check: 9897 Pound using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKA

match found in sequence:
ad166182; Exemdin agonist peptide, SEQ ID No 62.
[from seq5ags.pep"]
TOIG of: ad166182 check: 6333 from: 1 to: 38

ADL66182 standard; peptide; 38 AA

ADL66182;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 62.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation Disclosure; SEQ ID NO 62; 173pp; English.

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anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
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Sequence 38 AA;

888888888

Check: 6333 Type: P ADL66182 Length: 38 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP

63 1 match found in sequence:
ad166183 ; Excandin agonist peptide, SEQ ID No
[from "seq5ags.pp"]
TOIG of: ad166183 check: 5894 from: 1 to:

ADL66183;

ADL66183 standard; peptide; 38 AA.

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 63.

exendin; extended release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 63; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a mount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 g of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilippemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                   Disclosure; SEQ ID NO 59; 173pp; English.
WPI; 2004-042706/04.
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ADL66179 Length: 28 February 4, 2005 13:33 Type: P Check: 9975 Found using 'seq5' (mohamed337.key)

Sequence 28 AA;

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HGEGTFTSDLSKOLEEEAVRLFIEFAKN
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match found in sequence: ad166180 ; Exendin agonist peptide, SEQ ID No 60. check: 9991 from: 1 (from "seq5ags.pep") TOIG of: ad166180 $\,$ c

ADL66180 standard; peptide; 28 AA

exendin, extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; Exendin agonist peptide, SEQ ID No 60. dyslipidaemia; cardiovascular 20-MAY-2004 (first entry) Synthetic ADL66180;

/note= "C-terminal amide" Location/Qualifiers 28 Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 60; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method ancestic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. XXX0000000000000000XX

Sequence 28 AA;

Type: P Check: 9991 ADL66180 Length: 28 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLAN

adl66181; Exendin agonist peptide, SEQ ID No 61. (from "seq5ags.pep")
TOIG of: adl66181 check: 9897 from: 1 to: 28 1 match found in sequence

ADL66181 standard; peptide; 28 AA ADL66181;

Exendin agonist peptide, SEQ ID No 61. (first entry) 20-MAY-2004

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure, SEQ ID NO 61; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                              Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                      ADL66177 Length: 28 February 4, 2005 13:33 Type: P Check: 165 Found using '8eq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                adl66178; Exemdin agonist peptide, SEQ ID No 58. (from "seq5ags.pep")
TOIG of: adl66178 check: 136 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                               Disclosure; SEQ ID NO 57; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide, SEQ ID No 58.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66178 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKOLEEEAVRLFIAFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-MAY-2002; 2002US-00157224.
                        28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-MAY-2003; 2003WO-US016699
                                               28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                               Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
                                                                                                                      WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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Modified-site
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04-DEC-2003
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                                                                                               Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL66178;
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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, ancectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                  Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
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ad166179; Exendin agonist peptide, SEQ ID No 59.
(from "seq5ags.pep")
TOIG of: ad166179 check: 9975 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 58; 173pp; English.
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28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |------HGEGTFTSDLSKQLEEEAVRLFIEALKN
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(AMYL-) AMYLIN PHARM INC.
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                                                                          Kolterman
                                                                                                                                            WPI; 2004-042706/04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2003099314-A1
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Modified-site
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                                                                          Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
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Synthetic

Young AA,

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                             Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 lowering plasma glucoše or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
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Found using 'seq5' (mohamed337.key)
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adifeir7; Exendin agonist peptide, SEQ ID No 57.
(from "seq5agas.pep")
TOIG Of: adifeir7 check: 165 from: 1 to: 28
28
/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 56; 173pp; English.
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                                                                                                                                                                     28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                    Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-042706/04.
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                                                                    WO2003099314-A1
Modified-site
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                                                                                                                       04-DEC-2003
                                                                                                                                                                                                                                                                                                                    Young AA,
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
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adi66176; Exemin agonist peptide, SEQ ID No 56.
(from "seq5ags.pep")
TOIG of: adi66176 check: 30 from: 1 to: 28
                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 55; 173pp; English.
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                                                                                              Location/Qualifiers
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  dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                               28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                28-MAY-2002; 2002US-00157224
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                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman
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                                                                                                                                                                                                 WO2003099314-A1
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                                                                                                   Key
Modified-site
                                                                                                                                                                                                                                                 04-DEC-2003
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Synthetic

Key

ADL66176;

Check: 30

exendin; extended release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Exendin agonist peptide, SEQ ID No 54.

/note= "C-terminal amide"

WO2003099314-A1

Modified-site

Synthetic.

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
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                                                                                                                                                                                                                                 exendin, extended-release formulation, plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
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                                                                                                                                                                  Exendin agonist peptide, SEQ ID No 53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                 dyslipidaemia; cardiovascular.
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                                                                            20-MAY-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
ADL66173;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 to the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impatred glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66174 Length: 28 February 4, 2005 13:33 Type: P Check: 9862
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
adif6175 ; Exendin agonist peptide, SEQ ID No 55.
(from "seq5ags.pep")
TOIG of: adi66175 check: 9921 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 54; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide, SEQ ID No 55.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66175 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |-----|
| HGEGTFTSDLSKQLEEEAARLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL66175;
M M M K G K G K G K G K G
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adl66174 ; Exendin agonist peptide, SEQ ID No 54.

match found in sequence:

check: 9862

n "seq5ags.pep") of: ad166174 c

(from

HGEGTFTSDLSKQLEEAAVRLFIEFLKN

ADL66174 standard; peptide; 28 AA

20-MAY-2004 (first entry)

ADL66174;

28

; ;

seq5 ags.res

; Exendin agonist peptide, SEQ ID No 52

28

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from: 1

check: 197

(from "seq5ags.pep") TOIG of: ad166172 <

ad166172

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least .25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                  exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL66171 Length: 28 February 4, 2005 13:33 Type: P Check: 201 Found using 'seq5' (mohamed337.key)
                                                                                    51.
                                                                                                                      to: 28
                                                                   match found in sequence:
ad166171; Exendin agonist peptide, SEQ ID No
[firm meag5ags.pep"]
[Tom contact ad166171 check: 201 from: 1 to: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 51; 173pp; English
                                                                                                                                                                                                                                                                    Exendin agonist peptide, SEQ ID No 51.
                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                          ADL66171 standard; peptide; 28
HGEGTFTSDLSKQAEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                          cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                            dyslipidaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                    20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                ADL66171;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 15$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                   exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      l match found in sequence:
ad166173; Exendin agonist peptide, SEQ ID No 53.
(from "seq5ags.pep")
TOIG of: ad166173 check: 193 from: 1 to: 28
                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 52; 173pp; English.
                                                                                                       Exendin agonist peptide, SEQ ID No 52.
                                                                                                                                                                                                                                                           Location/Qualifiers
28
ADL66172 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKQLEAEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6172 Length: 28 February 4,
using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                      28-MAY-2003; 2003WO-US016699
                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                               WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28 AA;
                                                                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                     04-DEC-2003.
                                                                        20-MAY-2004
                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AA,
                                      ADL66172;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66172
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2005 13:33 Type: P Check: 197

ADL66173 standard; peptide; 28 AA.

a

HGEGTFTSDLSKQLAEEAVRLFIEFLKN 1

1 match found in sequence:

Fri Feb

Check: 141

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucese or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin, extended-release formulation, plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                    Type: P
                                                                                                                                                                                                                                                                                         adl66169; Exendin agonist peptide, SEQ ID No 49. (from "seq5ags.pep")
TOIG of: adl66169 check: 53 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                    2005 13:32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 49; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide, SEQ ID No 49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                          ADL66169 standard; peptide; 28 AA
                                                                                                                                                                                             HGEGTFTSDLSAQLEERAVRLFIEFLKN
                                                                                                                  ADL66168 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                           match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2003099314-A1
                                                                             Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                               ADL66169;
  888333
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 55 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                    exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
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 23
 Check:
4, 2005 13:33 Type: P
                                                                                                                                                   1 match found in sequence:
adi66170; Exendin agonist peptide, SEQ ID No 50.
(from "sed589s.pep")
TOIG of: adi66170 check: 107 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 50; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide, SEQ ID No 50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
28
                                                                                                                                                                                                                                                   ADL66170 standard; peptide; 28 AA.
                                                                           HGEGTFTSDLSKALEEEAVRLFIEFLKN
1
   ADL66169 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Modified-site
                                                                                                                                                                                                                                                                                                                             20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA,
                                                                                                                                                                                                                                                                                         ADL66170;
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1

Found

Sequence 28 AA

Fri Feb

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucese or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention \$

Sequence 28 AA;

ADL66166 Length: 28 February 4, 2005 13:33 Type: P Check: 151 Found using 'seq5' (mohamed337.key)

HGEGTFTSDASKQLEEEAVRLFIEFLKN

. match found in sequence:
ad166167; Exemidin agonist peptide, SEQ ID No 47.
(from "seq5ags.pep")
TOIG of: ad166167 check: 63 from: 1 to: 28

ADL66167;

ADL66167 standard; peptide; 28 AA

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 47.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1.

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 47; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or
sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, annorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or linhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                        63
                                                                                                                                                                                                                                    ADL66167 Length: 28 February 4, 2005 13:33 Type: P Check: Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
ad166168; Exendin agonist peptide, SEQ ID No 48.
(from "seq5ags.pep")
TOIG Of: ad166168 check: 141 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 48; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide, SEQ ID No 48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL66168 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                       |------HGEGTFTSDLAKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-MAY-2002; 2002US-00157224.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2003099314-A1.
                                                                                                                                                                                               Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66168;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        88888888888888
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formulation capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, ancertic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                    The invention relates to a novel pharmaceutical composition comprising an
                                                                                                    Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                            Disclosure; SEQ ID NO 44; 173pp; English
Kolterman OG
                                                  WPI; 2004-042706/04.
  Young AA,
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Sequence 28 AA;

ADL66164 Length: 28 February 4, 2005 13:33 Type: P Check: 231 Found using 'seq5' (mohamed337.key)

HGEGTATSDLSKQLEEEAVRLFIEFLKN

match found in sequence:
adis6165; Exemin agonist peptide, SEQ ID No 45.
(from "seq5ags.pep")
TOIG of: adis6165 check: 117 from: 1 to: 28

\$

Exendin agonist peptide, SEQ ID No 45. ADL66165 standard; peptide; 28 20-MAY-2004 (first entry) ADL66165;

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Location/Qualifiers Modified-site

Synthetic.

/note≈ "C-terminal amide"

04-DEC-2003.

WO2003099314-A1.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose

tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 45; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslighaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

ADL66165 Length: 28 February 4, 2005 13:33 Type: P Check: 117 Found using 'seq5' (mohamed337.key)

|------HGEGTFTADLSKQLEEEAVRLFIEFLKN

. match found in sequence: ad166166; Exemin agonist peptide, SEQ ID No 46. (from "seq5ags.pep")
TOIG of: ad166166 check: 151 from: 1 to: 28 ADL66166 standard; peptide; 28 AA ADL66166;

Exendin agonist peptide, SEQ ID No 46. (first entry) 20-MAY-2004

exendin; extended-release formulation; plasma level; antidiabetic; anorectic, antilipaemic, diabetes; glucose; gastric emptying, inhibiting food intake, tolerance, obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

28-MAY-2003; 2003WO-US016699. 04-DEC-2003.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 46; 173pp; English

Kolterman

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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation
             28-MAY-2002; 2002US-00157224
                                      (AMYL-) AMYLIN PHARM INC.
                                                                                         WPI; 2004-042706/04.
                                                                  Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                              Found
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                   Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66162 Length: 28 February 4, 2005 13:33 Type: P Check: 249 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . match found in sequence:
ad166163; Exendin agonist peptide, SEQ ID No 43.
(from "seq5ags.pep")
TOIG of: ad166163 check: 166 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 42; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide, SEQ ID No 43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HAEGTFTSDLSKQLEEEAVRLFIEFLKN
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-MAY-2003; 2003WO-US016699.
                                                    28-MAY-2003; 2003WO-US016699
                                                                              28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                   Kolterman OG;
                                                                                                                                                           WPI; 2004-042706/04.
WO2003099314-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Key
Modified-site
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                          04-DEC-2003
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                                                                                                                                   Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Check: 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         anorectic, antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66163 Length: 28 February 4, 2005 13:33 Type: P ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . match found in sequence:
ad166164 ; Exendin agonist peptide, SEQ ID No 44.
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Disclosure; SEQ ID NO 43; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide, SEQ ID No 44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGAFTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-MAY-2002; 2002US-00157224.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq5ags.pep"
TOIG of: ad166164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003099314-A1
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Modified-site
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/note= "C-terminal amide"

WO2003099314-A1

Location/Qualifiers

Key Modified-site

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a maount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hypexglycaemia, dyslipidaemia or cardiovascular disease. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL66160 Length: 28 February 4, 2005 13:33 Type: P Check: 700 Found using 'seq5' (mohamed337.key)
anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              represents an exendin agonist peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      adl66161 ; Exendin agonist peptide, SEQ ID No 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 28
                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 40; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide, SEQ ID No 41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (from "seq5ags.pep")
TOIG of: ad166161 check: 261 from: 1
                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66161 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKOMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    dyslipidaemia; cardiovascular
                                                                                                                                                                                                                                                                                                                 28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                          28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                            Young AA, Kolterman OG;
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                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-042706/04.
                                                                                                                                                                                             WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
                                                                                                                      Key
Modified-site
                                                                                                                                                                                                                                      04-DEC-2003
                                                                               Synthetic
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Synthetic

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                    Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food inteke; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66161 Length: 28 February 4, 2005 13:32 Type: P Check: 261 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    adl66162 ; Exendin agonist peptide, SEQ ID No 42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 41; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide, SEQ ID No 42.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                                          28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                     Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
                                                                                                                                                                                                                                                                                                     WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (from "seq5ags.pep")
TOIG of: ad166162 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
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                                                                                                                       04-DEC-2003
                                                                                                                                                                                                                                                                     Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL66162;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                    formulation; plasma level; antidiabetic;
                                                                 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                               Location/Qualifiers
36. .38
/note= "N-methylalanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 38; 173pp; English.
               Exendin agonist peptide, SEQ ID No 38
                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                          28-MAY-2002; 2002US-00157224
                                                    extended-release
                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39 AA;
                                                                                                                                                                                   Key
Modified-site
                                                                                                                                                                                                                                        Modified-site
                                                                                                                                                                                                                                                                                                                                04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA,
                                                                                                                                               Synthetic
                                                    exendin;
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ADL66158 Length: 39 February 4, 2005 13:32 Type: P Check: 458 Found using 'seq5' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXXS

match found in sequence: ad166159 ; Exendin agonist peptide, SEQ ID No 39 check: 267 (from "seq5ags.pep") TOIG of: ad166159

ADL66159 standard; peptide; 39 AA

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 39.

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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation.
extended-release formulation; plasma level; antidiabetic;
                        anorectic; antilipaemic; diabetes; glucões; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                   /note≈ "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 39; 173pp; English.
                                                                                                                                                                                                                                                                      36. .38
/note= "N-methylalanine"
                                                                                                                                                                                                                                          "N-methylalanine"
                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kolterman OG;
                                                                                                                                                                                                                                                note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                       WO2003099314-A1
                                                                                                                                                                                           Key
Modified-site
                                                                                                                                                                                                                                                                      Modified-site
                                                                                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-DEC-2003.
                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA,
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

ADL66159

1159 Length: 39 February 4, 2005 13:32 Type: Pusing 'seq5' (mohamed337.key) |-----| HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS Found

Check: 267

match found in sequence: ad166160 ; Exendin agonist peptide, SEQ ID No 40. check: 700 from: 1 (from "seq5ags.pep") FOIG of: ad166160

to: 28

ADL66160 standard; peptide; 28 AA. (first entry) 20-MAY-2004 ADL66160; 2×2×2×2×2×

Exendin agonist peptide, SEQ ID No 40.

exendin; extended-release formulation; plasma level; antidiabetic;

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food inteak; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 37.

(first entry)

20-MAY-2004

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2002; 2002US-00157224 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

36. .38 /note= "N-methylalanine" 'note= "N-methylalanine"

Location/Qualifiers

Key Modified-site Modified-site Modified-site

Synthetic

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                      exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL66156 Length: 39 February 4, 2005 13:32 Type: P Check: 267 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 36; 173pp; English.
                                                     Exendin agonist peptide, SEQ ID No 36.
                                                                                                                                                                                                                                                   /note= "Homoproline"
36. .38
/note= "Homoproline"
                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                             dyslipidaemia; cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                           28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-MAY-2002; 2002US-00157224
                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kolterman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                    WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 AA;
                                                                                                                                                                                                                                      Modified-site
                                                                                                                                                                                                                                                                          Modified-site
                                                                                                                                                                                                                                                                                                              Modified-site
                   20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                       04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA,
                                                                                                                                                                                    Synthetic
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/m is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL66157 Length: 39 February 4, 2005 13:33 Type: P Check: 706 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 adl66158 ; Exendin agonist peptide, SEQ ID No 38. (from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXXXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 37; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL66158 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL66158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SXXXE
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match found in sequence:
ad166157; Exendin agonist peptide, SEQ ID No 37.
(from seq5ags.pep")
TOIG of: ad166157 check: 706 from: 1 to: 39

ADL66157 standard; peptide; 39 AA.

ADL66157

HGEGTFTSDLSKQLEERAVRLFIEFLKNGGXSSGAXXXS

exendin; extended-release formulation; plasma level; antidiabetic; anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, dyslipidaemia, cardiovascular.

Exendin agonist peptide, SEQ ID No 35.

(first entry)

20-MAY-2004

ADL66155;

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699. 28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

/note= "Thioproline" 36. .38 /note= "Thioproline"

Location/Qualifiers

Key Modified-site Modified-site Modified-site

Synthetic.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           lowering plasma glucoëe or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exemila agonist peptide of the invention.
                                                                                                                                            exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL66154 Length: 39 February 4, 2005 13:33 Type: P Check: 458 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure, SEQ ID NO 34; 173pp; English.
                                                                                                         Exendin agonist peptide, SEQ ID No 34
                                                                                                                                                                                                                                                                                           36. 38 /note= "Homoproline"
                                                                                                                                                                                                                                                                          Location/Qualifiers
ADL66154 standard; peptide; 39 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2002; 2002US-00157224
                                                                     20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                         WO2003099314-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
                                                                                                                                                                                                                                                                                             Modified-site
                                                                                                                                                                                                                                                                                                                                    Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                              04-DEC-2003
                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA,
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 35; 173pp; English.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL66155 Length: 39 February 4, 2005 13:33 . Type: P Check: 267 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
ad166156 ; Exemdin agonist peptide, SEQ ID No 36.
(from "seq5ags.pep")
TOIG of: ad166156 check: 267 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGXSSGAXXXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 39 AA;
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ADL66156 standard; peptide; 39 AA

ADL66156;

BXX

match found in sequence:
ad166155; Exendin agonist peptide, SEQ ID No 35.
(from "seq5ags.pep")
TOIG of: ad166155 check: 267 from: 1 to: 39

ADL66155 standard; peptide; 39 AA

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAXXXS

Fri Feb

to: 39

TOIG of: ad166153 check: 706 from: 1 ADL66153 standard; peptide; 39 AA. exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 33.

(first entry)

20-MAY-2004

ADL66153;

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

note= "Homoproline" 'note= "Homoproline"

Location/Qualifiers

Key Modified-site Modified-site Modified-site

Synthetic.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Check: 458
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           adl66152; Exendin agonist peptide, SEQ ID No 32. (from "seq5ags.pep")
TOIG of: adl66152 check: 458 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure, SEQ ID NO 32; 173pp; English
                                                                                                                                                                                                  Exendin agonist peptide, SEQ ID No 32.
                                                                                                                                                                                                                                                                                                                                                                                   36. .38 /note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                     ADL66152 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             39 February 4, (mohamed337.key)
                                                                                                                                                                                                                                                                                         dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-MAY-2003; 2003WO-US016699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-MAY-2002; 2002US-00157224.
                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-042706/04.
match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL66152 Length: 39
Found using 'seq5' (mc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                   Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                               20-MAY-2004
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                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                         ADL66152;
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28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 to the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL66153 Length: 39 February 4, 2005 13:32 Type: P Check: 706 ound using '8eq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . match found in sequence:
adl66154; Exendin agonist peptide, SEQ ID No 34.
(from "seq5ags.pep")
TOIG of: adl66154 check: 458 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTPTSDLSKQMEERAVRLFIEWLKNGGXSSGAXXXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 33; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Found
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match found in sequence: ad166153 ; Exendin agonist peptide, SEQ ID No 33. (from "seq5ags.pep")

HGEGTFTSDLSKOMEEEAVRLF1EWLKNGGPSSGAXXXS

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HGEGTFTSDLSKQMEEEAVRLFIDWLKNGGPSSGAPPPS
```

. match found in sequence: ad166150; Exendin agonist peptide, SEQ ID No 30. (from "seq5ags.pep") TOIG of: ad166150 check: 9119 from: 1 to: 39

ADL66150 standard; peptide; 39 AA.

ADL66150;

20-MAY,2004 (first entry)

Exendin agonist peptide, SEQ ID No 30.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

Location/Qualifiers 39 Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; foung AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 30; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25\$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

Type: P Check: 9119 6150 Length: 39 February 4, 2005 13:32 using 'seq5' (mohamed337.key) ADL66150 Found using

HAEGTETSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS 1

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exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                 'note= "C-terminal amide"
match found in sequence:
ad166151; Exendin agonist peptide, SEQ ID No
(from "seq5ags.pep")
(from "ad166151 check: 706 from: 1 to: 3
                                                                                        Exendin agonist peptide, SEQ ID No 31.
                                                                                                                                                                                  /note= "Thioproline"
                                                                                                                                                                                                 /note= "Thioproline"
                                                                                                                                                                 Location/Qualifiers
                                        ADL66151 standard; peptide; 39
                                                                                                                                                                                                                                                                                  28-MAY-2002; 2002US-00157224.
                                                                                                                                                                                                                                                                  28-MAY-2003; 2003WO-US016699.
                                                                         (first entry)
                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                          38
                                                                                                                                                                                                                                   WO2003099314-A1
                                                                                                                                                                  Key
Modified-site
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                                                                                                                                                                                                          Modified-site
                                                                          20-MAY-2004
                                                                                                                                                                                                                                                   04-DEC-2003.
                                                                                                                                                   Synthetic.
                                                          ADL66151;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabelic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Disclosure; SEQ ID NO 31; 173pp; English

Sequence 39 AA;

Check: 706 February 4, 2005 13:33 Type: P ADL66151 Length: 39 February 4, Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS

seq5_ags.res

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formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an aworage sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dysllpidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a novel pharmaceutical composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                     Type: P Check: 9915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         'note= "Tertiary-butylglycine"
                                                                                                                                                                                                                                                                              match found in sequence:
adl66148; Exemdin agonist peptide, SEQ ID No 28.
[from "seq5ags.pep"]
TOIG of: adl66148 check: 9476 from: 1 to: 39
                                                                                                                     Length: 39 February 4, 2005 13:33
g 'seq5' (mohamed337.key)
                                                                                                                                                                                   |-----|
HGEGTFTSDLSKOMEBEAVRLFXEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 28; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide, SEQ ID No 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                 ADL66148 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-MAY-2002; 2002US-00157224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
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                                                                                Sequence 39 AA;
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                                                                                                                                          Found using 'seq5'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                        ADL66148;
                                                                                                                         ADL66147
    883333
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                    exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                   Check: 9476
                                                   Type: P
                                                                                                                                                                                              adl66149; Exendin agonist peptide, SEQ ID No 29. (from "seq5ags.pep") TOIG of: adl66149 check: 9546 from: 1 to: 39
                                                                                                                            HGEGTFTSDLSKOLEERAVRLFXEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
                                                   ADL66148 Length: 39 February 4, 2005 13:33 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide, SEQ ID No 29.
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39
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                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2003099314-A1
               Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                ADL66149;
Χg
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Check: 9546

ADL66149 Length: 39 February 4, 2005 13:33 Type: P Found using 'seq5' (mohamed337.key)

formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, are useful in treating diabetes and conditions that would be benefited are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

ADL66145 Length: 39 February 4, 2005 13:33 Type: P Check: 9869 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFVEWLKNGGPSSGAPPPS

match found in sequence: ad166146 ; Exendin agonist peptide, SEQ ID No 26. (from "seq5ags.pep") to: 39 check: 9430 from: 1 TOIG of: ad166146

ADL66146 standard; peptide; 39 AA

ADL66146;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 26.

exendin, extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA,

Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation Disclosure; SEQ ID NO 26; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic,

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predecermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or
anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obssity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                               ADL66146 Length: 39 February 4, 2005 13:33 Type: P Check: 9430 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'note= "Tertiary-butylglycine"
                                                                                                                                                                                                                                                                                                                                                                 adl66147; Exendin agonist peptide, SEQ ID No 27. (from "seq5ags.pep")
TOIG of: adl66147 check: 9915 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQLEEEAVRLFVEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide, SEQ ID No 27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66147 standard; peptide; 39 AA.
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                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2003099314-A1.
                                                                                                                                                  Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL66147;
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Disclosure; SEQ ID NO 24; 173pp; English.

exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. to a novel pharmaceutical composition comprising an tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity; hyperglycaemia; Pharmaceutical composition for treating diabetes, impaired glucose Check: 9299 Length: 39 February 4, 2005 13:33 Type: P g 'seq5' (mohamed337.key) adl66144; Exendin agonist peptide, SEQ ID No 24. (from "seq5ags.pep") to: 39 /note= "C-terminal amide" HGEGTFTSDLSKOXEERAVRLFIEFLKNGGPSSGAPPPS Disclosure; SEQ ID NO 23; 173pp; English. /note= "Naphthylalanine" Exendin agonist peptide, SEQ ID No 24. from: 1 Location/Qualifiers ADL66144 standard; peptide; 39 AA dyslipidaemia; cardiovascular check: 9966 20-MAY-2004 (first entry) invention relates match found in sequence: WO2003099314-A1 Sequence 39 AA; Key Modified-site TOIG of: adl66144 Modified-site Found using 'seq5 Synthetic ADL66144; ADL66143

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224

04-DEC-2003

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                     ADL66144 Length: 39 February 4, 2005 13:33 Type: P Check: 9966 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                adl66145; Exendin agonist peptide, SEQ ID No 25. (from "seq589.pep") TOIG of: adl66145 check: 9869 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKQMEEEAVRLXIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide, SEQ ID No 25.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL66145 standard, peptide; 39 AA.
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                                                                                                                                                                                                                                                                                                                       Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66145;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Check: 9724

ADL66142 Length: 39 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)

Sequence 39 AA;

|------HGEGTFTSDLSKQXEEEAVRLFIEWLKNGGPSSGAPPPS

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

WPI; 2004-042706/04.

Disclosure; SEQ ID NO 22; 173pp; English.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                   Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66141 Length: 39 February 4, 2005 13:33 Type: P Check: 9251 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 21; 173pp; English.
(AMYL-) AMYLIN PHARM INC.
                                                     Young AA, Kolterman OG;
                                                                                                   WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL66142;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66141
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exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; match found in sequence:
adl66142; Exendin agonist peptide, SEQ ID No 22.
(from "seq5ags.pep")
TOIG of: adl66142 check: 9724 from: 1 to: 39 |-----| HGEGTFTSDXSKQLEEEAVRLFIEFLKNGGPSSGAPPPS Exendin agonist peptide, SEQ ID No 22. ADL66142 standard; peptide; 39 AA dyslipidaemia, cardiovascular 20-MAY-2004 (first entry) Synthetic

/note= "C-terminal amide" /note= "Pentylglycine"

WO2003099314-A1

04-DEC-2003

28-MAY-2002; 2002US-00157224 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

Location/Qualifiers

Modified-site Modified-site

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exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
           adl66143; Exendin agonist peptide, SEQ ID No 23. (from "seq5ags.pep")
TOIG of: adl66143 check: 9299 from: 1 to: 39
                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                               Exendin agonist peptide, SEQ ID No 23.
                                                                                                                                                                                                                                                             /note= "Pentylglycine"
                                                                                                                                                                                                                                     Location/Qualifiers
                                                          ADL66143 standard; peptide; 39 AA.
                                                                                                                                                                                        dyslipidaemia; cardiovascular
                                                                                                                                                                                                                                                                                                                                                         18-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                               28-MAY-2002; 2002US-00157224
                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                               Kolterman OG;
1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-042706/04
                                                                                                                                                                                                                                                                                                           WO2003099314-A1.
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                                                                                                        20-MAY-2004
                                                                                                                                                                                                                                                                                                                                   04-DEC-2003.
                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA,
                                                                                 ADL66143;
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28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                      Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         exendin; extended-release formulation; plasma level; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL66139 Length: 39 February 4, 2005 13:33 Type: P Check: 9579 Pound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     adl66140 ; Exempin agonist peptide, SEQ ID No 20. (from "seq5ags.pep")
TOIG of: adl66140 check: 9690 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTPTSELSKOMEEEAVRLPIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                    Disclosure, SEQ ID NO 19; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note= "Pentylglycine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide, SEQ ID No 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2003; 2003WO-US016699
                                     28-MAY-2003; 2003WO-US016699
                                                                          28-MAY-2002; 2002US-00157224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               '(first entry)
                                                                                                               (AMYL-) AMYLIN PHARM INC
                                                                                                                                                    Kolterman OG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
                                                                                                                                                                                     WPI; 2004-042706/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 39 AA;
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Modified-site
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04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                  Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66140;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipideemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                               Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exendin; extended-release formulation; plasma level; antidiabetic; ancrectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL66140 Length: 39 February 4, 2005 13:33 Type: P Check: 9690 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
ad166141 ; Exendin agonist peptide, SEQ ID No 21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDXSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 20; 173pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide, SEQ ID No 21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "Pentylglycine"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL66141 standard; peptide; 39 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-MAY-2003; 2003WO-US016699
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                         Kolterman OG
                                                                                                                              WPI; 2004-042706/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (from "seq5ags.pep")
TOIG of: ad166141 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
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Modified-site
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                                                                                           Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL66141;
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The invention relates to a novel pharmaceutical composition comprising an extendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful.
                                                                                                                                                                                                                                                                                                                                                                                                                                Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
adl66139 ; Exendin agonist peptide, SEQ ID No 19.
(from "seq5ags.pep")
TOIG of: adl66139 check: 9579 from: 1 to: 39
       39
/note≂ "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL66139 standard; peptide; 39 AA.
                                                                                                                                                                                  28-MAY-2003; 2003WO-US016699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          dyslipidaemia; cardiovascular
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                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                   Kolterman OG;
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                                                                                WO2003099314-A1
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       Modified-site
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Modified-site
                                                                                                                                                                                                                                 28-MAY-2002;
                                                                                                                                 04-DEC-2003
                                                                                                                                                                                                                                                                                                                                   Young AA,
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       The invention relates to a novel pharmaceutical composition comprising an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a meount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilippemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
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ad166138 ; Exendin agonist peptide, SEQ ID No 18.
(from "seq5ags.pep")
TOIG of: ad166138 check: 9578 from: 1 to: 39
                                                                                                                                                 /note= "C-terminal amide"
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HGEGTFSTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                  Location/Qualifiers
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dyslipidaemia, cardiovascular.
                                                                                                                                                                                                                                                                                                                                                     28-MAY-2002; 2002US-00157224.
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                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman OG;
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                                                                                                                       Modified-site
                                                                                                                                                                                                                                                   04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA,
                                                   Synthetic
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ADL66138;

Key

Check: 9578

Type: P